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1908

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1869

THIRTY-SEVENTH SERIES

1908-9

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GEO. A. SAGENDORPH, MANAGER AND CASHIER, NEW ENGLAND DEPT.

THE PENN METAL CEILING AND ROOFING COMPANY LIMITED

PHILADELPHIA, PA.

NEW YORK, N. Y.

BOSTON, MASS.

SOLE MANUFACTURERS OF
SAGENDORPH'S PATENT

Metal Sectional Ceilings and Side Wall Decorations

Suitable for Churches, Amusement Halls, Hospitals, Asylums, School Buildings, Theatres,
Stores and Dwellings of All Classes

Main Office and Factory

TWENTY-THIRD AND HAMILTON STREETS
PHILADELPHIA, PA.

New England Branch

559 AND 561 ATLANTIC AVENUE
BOSTON, MASS.

SIDE WALLS, WAINSCOTING AND CEILINGS

From the plainest to the most elaborate.
When properly applied and tinted, their
equal cannot be found.

After first cost is met, all expenses cease,
and nothing but the destruction of the
building will damage this class of work.



TELEPHONE CONNECTION

CABLE ADDRESS: "PENNCIL"
WESTERN UNION TELEGRAPHIC CODE
A B C CODE, 4th EDITION

DIRECTIONS FOR ORDERING



It is our custom and preference to put up our ceilings in Philadelphia, New York, Boston and vicinity, although we will furnish competent mechanics and artists to put up and decorate our work in any section of the United States. But we have found that a good mechanic and painter can usually do good work, as is attested by the number of ceilings we ship, to be put up that way.

When making inquiry for a design or plan for a ceiling, or in ordering one, always bear in mind the following rules:

Give exact measurements (from architect's plan, if possible), showing all openings and offsets, stairways, elevator openings, and give exact position of all chandeliers or other drops in ceiling; also state if Cornice or Cove is wanted, and how deep same shall extend down on wall, and if a Frieze below the Cove Mould is wanted. In all work we prefer architect's plans, or make pencil sketch; also in Church work, which has our particular attention.

If the building is an old one and the ceiling plastered, it can be put on without removing the plaster, by securing the furring strips with longer nails. If there is already a plaster cornice in the room, it can be covered by a metal one or used in terminating the plates against it.

For erecting the ceiling plates, the joists or old ceiling should be furred with strips $\frac{7}{8}$ inch thick by 1 inch wide (for shallow panels and reeded panels), for all medium or deep-stamped plates with deep mouldings, it should be furred with furring strips 1 x 1 $\frac{1}{8}$ inches, 1 x 1 $\frac{1}{2}$ inches, 1 $\frac{3}{8}$ x 1 $\frac{1}{8}$ inches, 1 $\frac{1}{8}$ x 1 $\frac{7}{8}$ inches, depending on the style used.

All ceilings are carefully crated and a list of all materials marked on the packing slip.

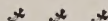
The weight (crated) is 70 to 85 pounds to 100 square feet.

All stock primed one coat (light color), each side, before shipping.

NOTE.—Quotations on Complete Ceilings or Side Walls do not include Wood Furring Strips, Solid Sheathing, or Nails to apply same; these and Zinc Center Pieces, Zinc Drop Blocks and Zinc Ornaments are charged extra.



If ordered, material will be shipped according to the drawing. Check measurements from building, with our plans, if possible, as we will not be responsible for shortage caused by error in dimensions given us, or from miscuts or waste caused by the mechanic.



NOTE.—Quotations on Complete Ceilings or Side Walls include all Metal Plates, Mouldings, and Coves, and Nails for applying the Metal.

O. X.

278

Bead Lap Joint

Shows completed Mitred Corners of our Enriched Coves of any style, convex or concave. This mechanical process can be perfected by any careful workman, by following our directions, page 4, and the results are far better than using a stamped corner ornament or leaf, as we illustrate in the above cut. The symmetry of the cove is retained around the sides of the room, without marring the effect of the cove which will occur if ornaments were used to cover up bad workmanship.

NOTE.—When ordering, please take dimensions from floor plan, showing openings, offsets or projections. We make our plans bottom up looking downward. Locate near as possible gas or electric light drops. Always estimate 140 lineal feet furring strips to 100 square feet of ceiling. Give distance from top of window casings to the ceiling.

Furring Strips

$\frac{3}{4} \times 1\frac{1}{4}$ inch, per 100 lineal feet,	\$0.30
$\frac{3}{4} \times 1\frac{1}{4}$ " " " "	.35
$1 \times 1\frac{1}{4}$ " " " "	.40
$1\frac{1}{2} \times 1\frac{1}{4}$ " " " "	.65
$1\frac{3}{4} \times 1\frac{1}{4}$ " " " "	.90

PRICES NET F. O. B., PHILADELPHIA OR BOSTON

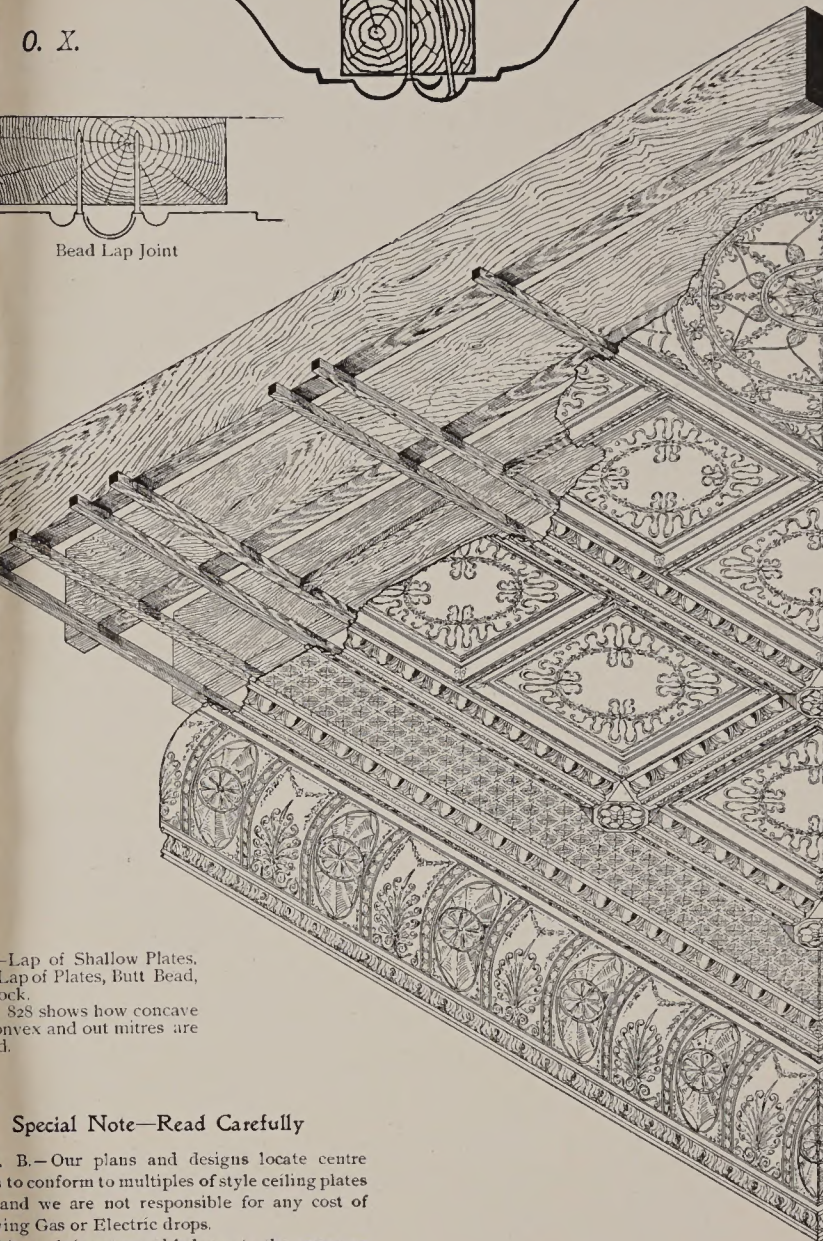
Detail showing construction of Sagen-dorph's Patent Sectional Metal Ceilings.

830

Furring $\frac{3}{4} \times 1\frac{1}{4} \times 1\frac{1}{2}$

O. R.

Our Butt Bead Under Lap Joint Countersunk

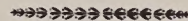


Special Note—Read Carefully

N. B.—Our plans and designs locate centre pieces to conform to multiples of style ceiling plates used, and we are not responsible for any cost of removing Gas or Electric drops.

This work is extra and belongs to the owner or the contractor of the building.

Directions for Putting up Sagendorph's Patent Sectional Steel Ceilings and Side Wall Plates. Also Directions for Decorating



THE following directions apply to all styles, whether applied direct to the studding, joist, over close sheathing, or plastered ceilings or walls. Blue prints of working plans are always furnished, and the first rule, viz.: Take the blue prints and study them carefully, have your men strike the center line in your ceiling or side wall both ways (locating the center pieces from these center lines, if any centers are used). If not, then use the center line for the first ceiling plate. Strike off your furring strips at centers running lengthwise of the room. Nail up the lengthwise furring strips, and have ceiling plate handy to mark off the cross furring strips, and toe-nail these in as you go along, as shown on blue print, always observing that the furring strips, lengthwise or crosswise, are centered exactly to the centre of the ceiling plates, both crosswise or lengthwise furring. When center pieces are shown on blue prints, fur out from center line for the mounted centers, and put these in place first; then work from these center pieces on all four sides with your plates (after the furring is all up) out to the last ceiling plate required up to the time that you are to use the stiling, or to the terminus of the plates shown in plans, not nailing the outer edge of the plates last laid. When you have reached this point and all of the plates are in place, then put up your wood brackets for the cove or the cornice (whichever style is used), and strike the line for your furring strips that go at the top of the cove; nail this furring strip in place all around the room, and after this is finished, take the first piece of cove or cornice, and put it in place at one of the right angles of the room, first nailing up wood strip. Furring on side wall at bottom of cove or cornice drop, to receive foot mould or bottom of cove (size furring used, $5\frac{1}{2} \times 1\frac{1}{4}$ strip nailed to side wall). When you meet the next concave corner, butt the cove plumb against the adjoining side wall, then take a piece of the cove and mark the angle to cut to the curve, and cut it exact, and butt it into the curve of the first piece put up, making a neat bead line finish, and this meeting of the cut parts of the cove that butt against the first part is covered with a small bead strip (see Figs. 1 and 2), bent to curve to the concave shape, and nailed top and bottom

to the cove (see page 3, Fig. 828). Also Fig. 278, detail construction. On an outer miter or convex corner, you carry the cove to the corner, and cut it at the angle of the curve, exact, even, and flush with the curve line convex; then put up the second piece of cove and mark it, and cut it in the curvature $\frac{1}{4}$ " longer than the net measurements over the projection of the first piece. After this is cut and fitted, nail it to its place, leaving $\frac{1}{4}$ " project over the first piece in place. Snip this $\frac{1}{4}$ " projection $\frac{1}{4}$ " every 1" or 2" apart, and then carefully, with the help of a hammer and pliers, bend and turn it over the adjoining piece neatly, and, to finish it perfectly, putty the edges flush (see Fig. 828, page 3). After your cove is up, then put your stiling up, according to blue prints, letting one edge run under the outside edge of all your plates (and the other edge of the stiling reach to fit on top of flange on moulding strip or cove, as shown in print. The panel strip that joins the stiling and the upper edge of cove together). After the cove is up, take the panel strip (if one is used) that has one margin on and one off. The side with the margin off fits on top of the edge of the cove at the bead center of the furring strip, so as to nail inside of the bead at the top of the cove up through to the furring strip. The other side of the panel strip with the margin on fits under the edge of the stiling. Opposite edge of stiling goes under last ceiling plate laid, and reaches to the furring strip under the upper edge of ceiling plate. As you meet at right angles in applying the moulding strips, they are to be mitered in or out. It must be done neatly, and, with the assistance of a little putty, will look like a continuous piece of work. The inside edge of the stiling passes under the moulding edges of the plates last laid, out to the moulding edge on cove ceiling line; then nail the outer edges of the plates through the stiling into the furring strips. Cross laps or seams of the stiling are covered with the same bead mould as used for finish on concave cove joint (see Figs. 828 and 278, page 3), either on a straight or mitered lap. When rosettes are required at meeting corners of plates, apply them as you put the plates in place. The last article to put in place is the foot mould or panel mould at the bottom of the cove. Commence at a right-angle corner with all coves or cor-

nices, and follow it around complete until you meet commencement point. For side walls, if the furring or sheathing is done over plaster or studding, the same rules are observed. If close sheathing is used, then you have no center lines to strike for furring, but you want the center line to work by, taking one plate or sheet as a guide (any size that is used in the design). Working from the blue prints to put up the furring, it is always advisable to have one of the plates with you on the staging. This will insure the exact distance of centers of each size of plate you are using.

When the steel work is all up and ready for decorating

The first coat of paint should be of the best quality white lead or zinc, reduced with $\frac{1}{3}$ raw oil and $\frac{2}{3}$ turpentine, with a little (best quality) Japan drier. Apply first coat, and have it as heavy as consistent with smooth work. On the second coat the lead or zinc can be tinted in parti-colors to any shade desired for the body (and as it is being second coated, wherever it is necessary to close up a small cut or seam which the workmen have not mechanically formed, a little putty can be used). The second coat material can bring the work out flat or glossy, as desired, by adding oil or omitting it (and replacing it with turpentine). Shading of the mouldings on their face or raised work is done after the second coat is applied. Two-coat work of good lead or zinc is all that is necessary to paint our steel work after it is put in place. Where solid colors are desired, it is advisable to use the best materials, and of a consistency that will give the work a heavy body of paint. The best results are obtained in a flat finish rather than a gloss, and the last work of the decorator is in adding the bronze or gold leaf, when desired. This character of work in cost is governed by the amount of time spent in bringing out the configurations, moulding, centers, etc., as desired, and the number of different colors or shades wanted, averaging from 2 cents to 12 cents per square foot.

Aluminum leaf or gold leaf, extra from above prices. Prices differ and vary according to the location and reputation of the decorating firms.

Sections of Coves and Ceiling Plates with Furring Strips. Applies to all the Styles we Manufacture

Subject to change in Projections on Ceiling Line and Drop on Side Wall. Dimensions given below are based on width of top and bottom Moulding shown in various illustrations of Cove.
All Styles subject to change in Girth, Projection, Drop and Size or Style of Moulding used.

Wood Brackets, Net

For Cornice or Coves, and Beam Moulding, etc. Longest way of width required.

2-inch	3 cents.
3-inch	3 1/2 "
4-inch	5 "
5-inch	6 "
6-inch	8 "
7-inch	9 "
8-inch	10 "
9-inch	11 "
10 and 11-inch	15 "
12 to 15-inch	20 "
18-inch	25 "

Extra Strips

For Cove and Styling, used with Bead, Shallow or Deep Mould Plates. Size, 3/4 x 1 3/8; 3/4 and 1 x 1 1/4, 1 1/2 and 2 inches.

Solid Sheathing

3/8 in. thick x 4 to 12 in. wide, \$2.25
3/8 in. net per 100 square feet, 3.00
3/4 in. thick, 100 " " 3.50
1 in. " 1.0 " " 4.00

Steel Wire Barbed Nails

(Oval or Flat Head)

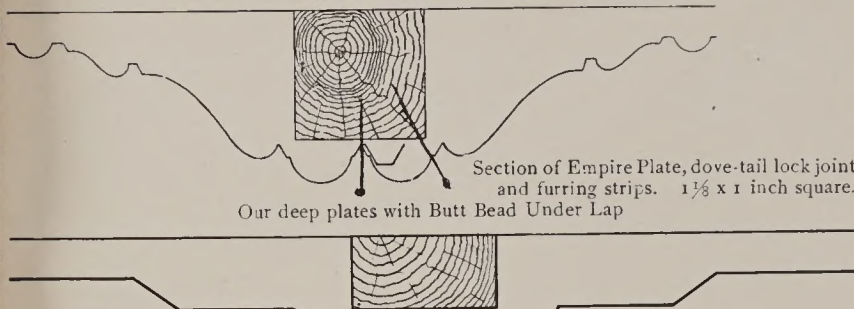
3/4 inch, No. 17 B.	per lb., 9c.
1 " " 17 B.	8 1/2 c.
1 1/4 " " 1 B.	8c.
1 1/2 " " 16 B.	8c.
1 3/4 " " 16 B.	8c.
2 " " 14 B.	7 1/2 c.
2 1/2 " " 14 B.	7c.
3 " " 9 B.	5c.
3 1/2 " " 9 B.	5c.
4 " " 9 B.	4 1/2 c.

Prices Net, F. O. B., Philadelphia or Boston

Cross Furring for Border Mould Plates. Figs. 76, 77 and 78. Moulding on Plates, 1 3/8 inches deep. Side Mould Furring, 1 1/8 x 1 1/2 inches. Cross Furring, 3/8 x 1 1/4 inches.

Wood furring strip 1 1/8 x 1

H-8

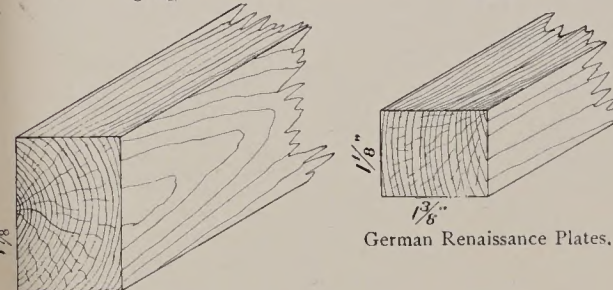


Furring and Lap of Plates, with Butt Bead Under Lap

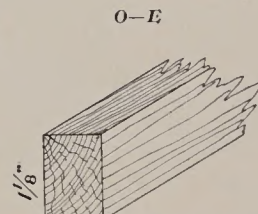
O-G

O-C

R 15

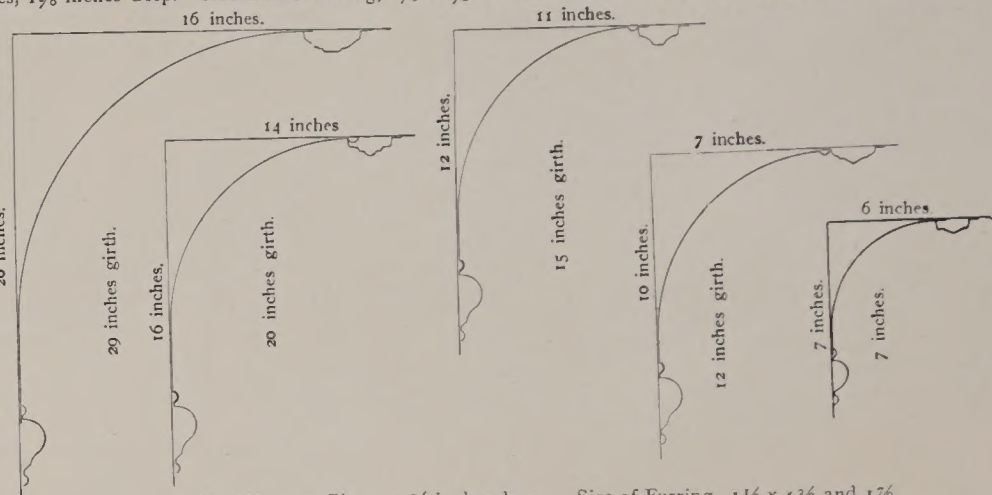


German Renaissance Plates.

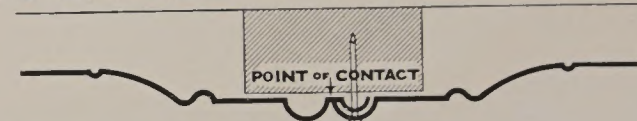


Medium Deep Mould Plates

Colonial Deep Mould Plates, extra deep.



Moulding on Plates, 1 1/4 inches deep. Size of Furring, 1 1/8 x 1 3/8 and 1 1/4



Wood Furring Strip, 3/4 x 1 1/4 ins. Size Furring, 5/8 or 3/4 x 1 1/4

Show furring & backing for

and all Bead Plates

Pages 14, 20, 27, and 74 to P. 42

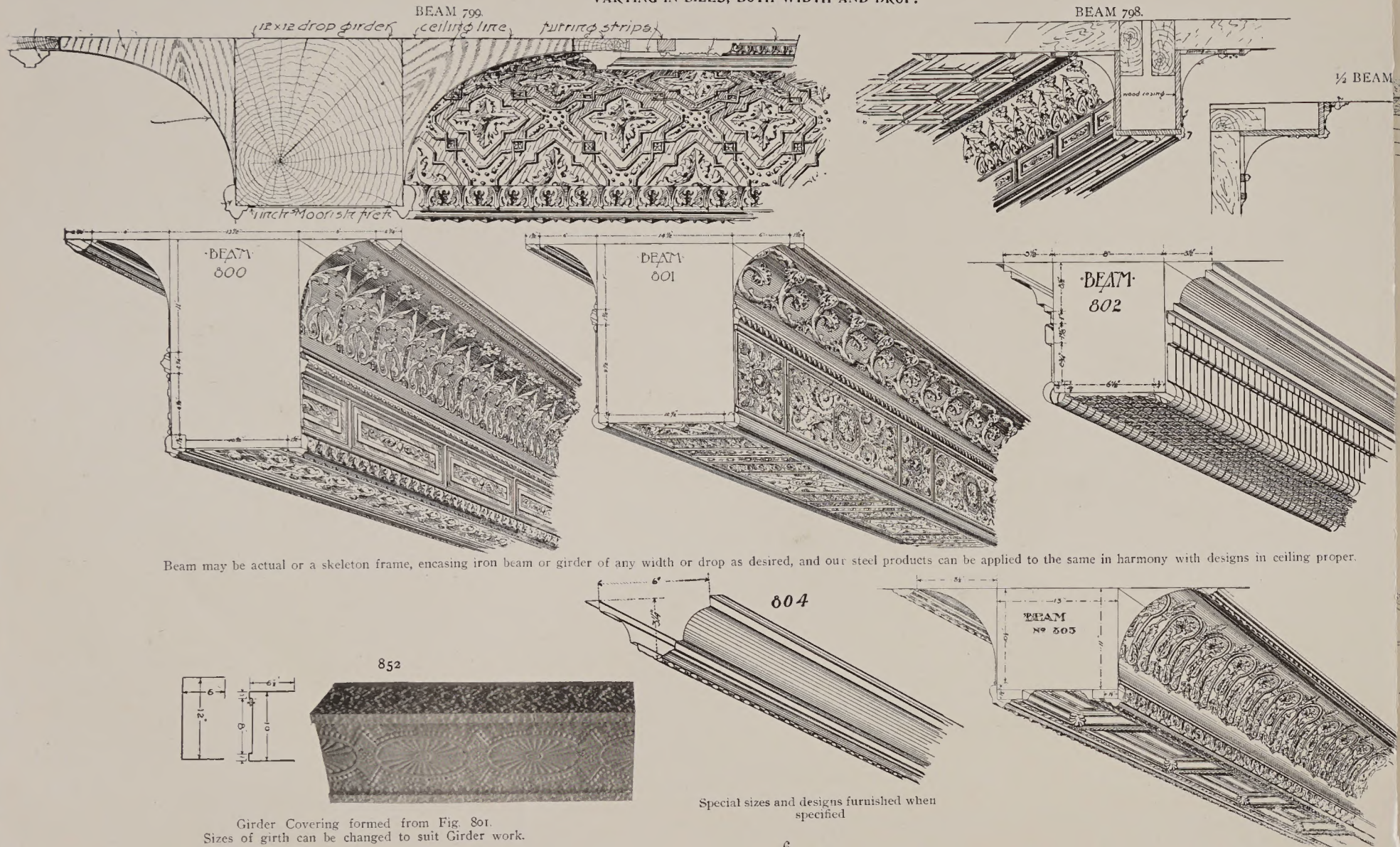
N. 12.

Furring for all our Bead Mould Plates, and all continuous work.

When Not Obtainable in Place Wanted, We Can Furnish Same at Prices named above, Net, F. O. B., Philadelphia or Boston

Beam or Girder Coverings

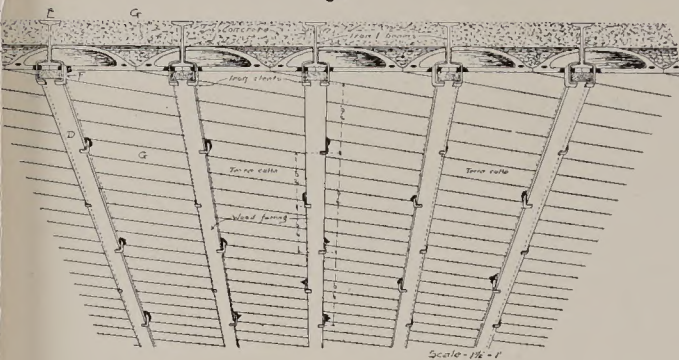
VARYING IN SIZES, BOTH WIDTH AND DROP.



Means for Securing Wood or Metal Furring Strips to Metallic Beams or Girders

Patented October 4, 1898. No. 611,796.

832



Plan No. 1

Plan No. 1 as Noted in Fig. 832.

- D Wood strip.
- E Iron I beam.
- F Iron clip.
- G Concrete.
- H Terra Cotta.
- H Wire nail.

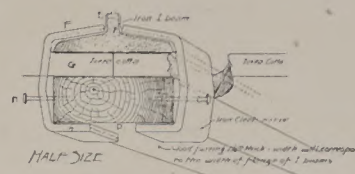


Fig. 1.

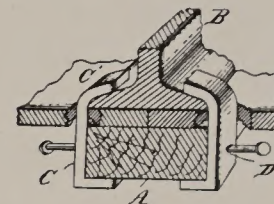
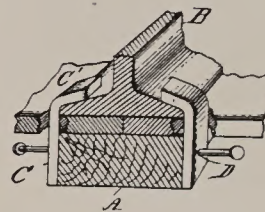
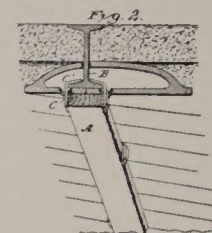


Fig. 3.



Plan No. 2 as Noted in Fig. 833.

Fig. 1. Perspective view, partially in section, representing the cleat and other features of the invention applied to an iron beam and supporting the furring timber.

Fig. 2. A perspective view, showing the furring strips applied to their supporting timber and the cleats in position on the I beam.

A designates the beam of timber to which the furring strips are nailed.

B designates the metallic I beams of a ceiling, and C C the parts of the cleat. The cleats consist of a flat bar or strip of metal bent or folded at an obtuse angle between its ends, so that its upper portion C may rest on the incline surface of the lower flange on the side of the I beam, while its lower portion is vertical and adapted to fit snugly against the edge of a board or timber E, of the width of the flange portion of the I beam. The cleat is pierced at D for the intersection of the nail or spike to fasten it to a board or timber A.

Fig. 1. A wood furring strip.

B Iron beam.

A As in design, Fig. 6.

A Ground work of furring strip to receive the metal plate.

B Cross furring strips.

C Intersecting furring strips.

D Ground work of furring strip to I beam.

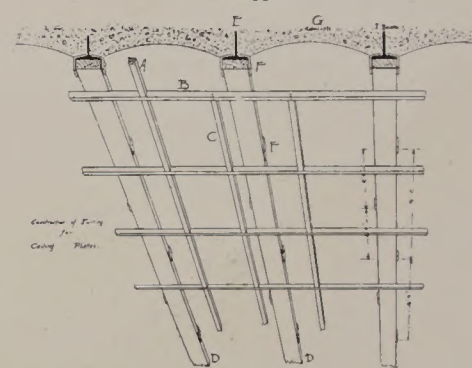
E Iron beam.

F Iron clips.

C Metal cleat.

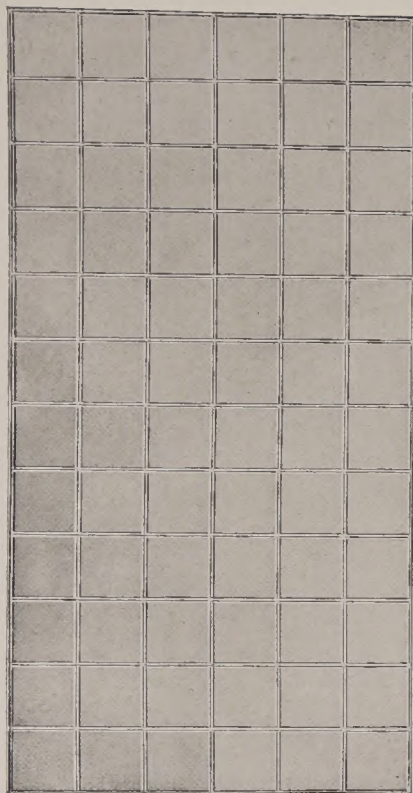
G Concrete placed above the terra cotta arching for flooring, filling, or otherwise.

833



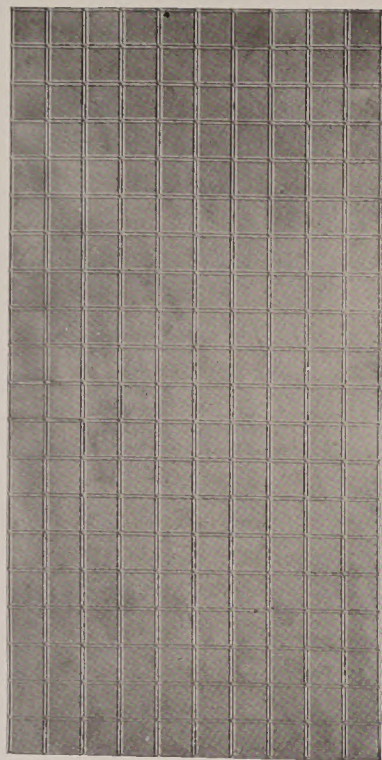
Plan No. 2

830



4-inch Plain Mortar Line Tile. Size, 24 x 96 inches.
Countersunk Joint.

58



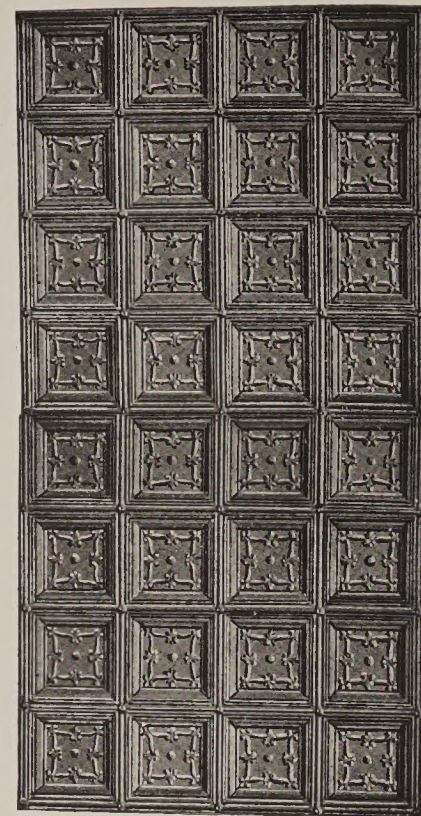
2 $\frac{3}{4}$ -inch Plain Mortar Line Tile.
Size, 24 x 96 inches.

54



ITALIAN RENAISSANCE, No. 1. Size, 28 x 96 inches.
Side-Wall, Ceiling or Cove.
Flat Margin Butt Lap.

115



Made in sheets 24 x 96 inches long. Pattern is
6 x 6 inches, $\frac{7}{8}$ -inch deep.

801

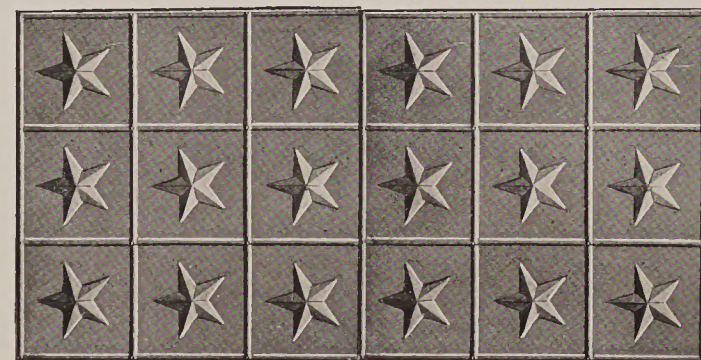


Stipple Work. Girder Frieze or Border. Size 24 to 30x96 to 120 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

52



Star Ceiling or Side Wall. Size, 24x96 inches. Bead Lap.

Continuous Ceiling or Side Wall Sheets

435

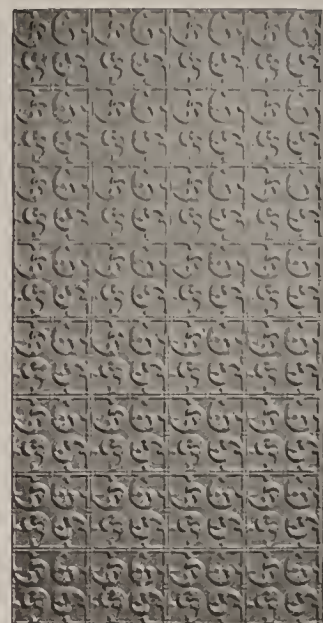


436



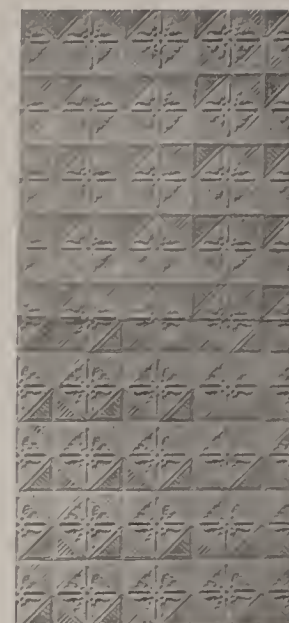
8 inch squares.
Joint.

437



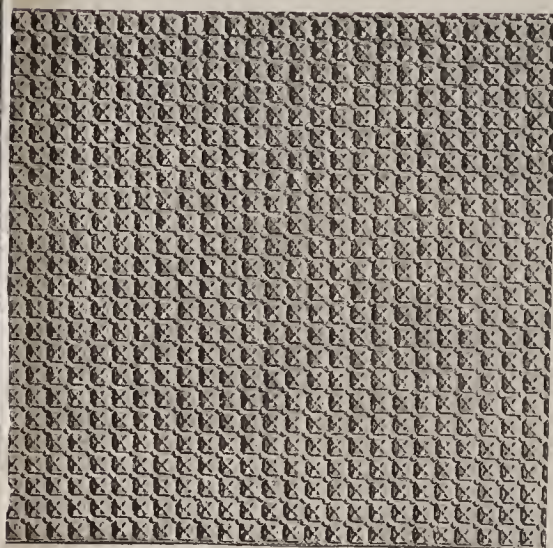
24x96 inches.
Countersunk Joint.

702



24 x 96 inches. 6 x 6 inch squares.
Countersunk Joint.

50

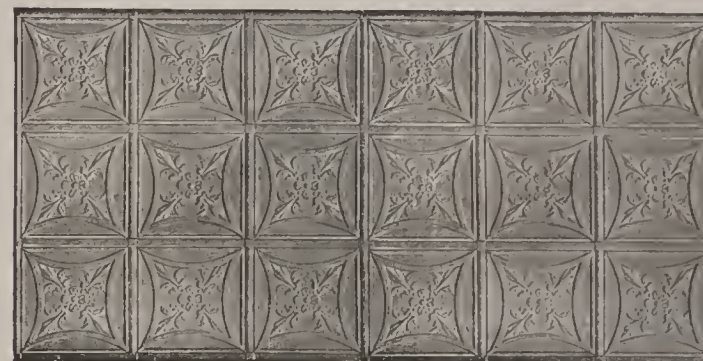


MOORISH DIAPER, No 2. Size, 28 $\frac{3}{4}$ x98 inches.
Side-Wall Ceiling, Filler or Cove.



Ceiling Sheets. 3-inch Beaded and Cross Reeds.
Made Smooth Between Beads When Desired. Bead Lap.
Size 24x96 inches.

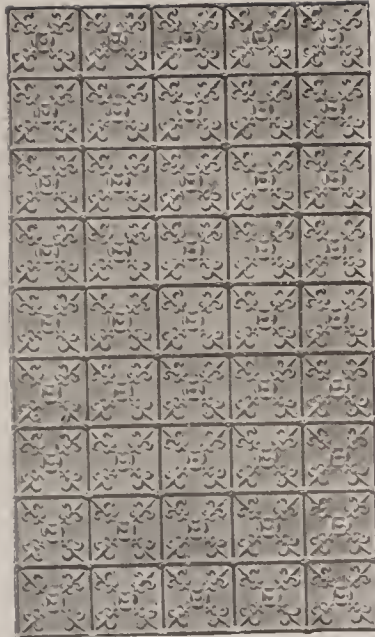
11



COLONIAL FRET. Field Plate, or continuous in lengths, 27x117 inches. Bead Lap

Continuous Side Wall or Ceiling Sheets

597



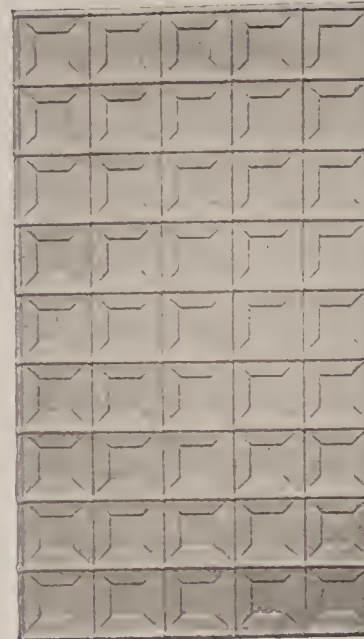
Field Ceiling Plate. Size, 24 x 96 inches.
Bead Lap.

55



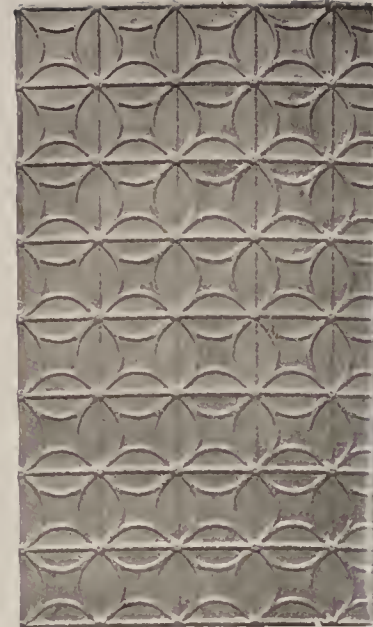
MOORISH DIAPER, No. 1. Size, 28 1/2 x 96 inches.
Side-Wall, Ceiling, Filler or Cove.
Flat Margin Lap.

596



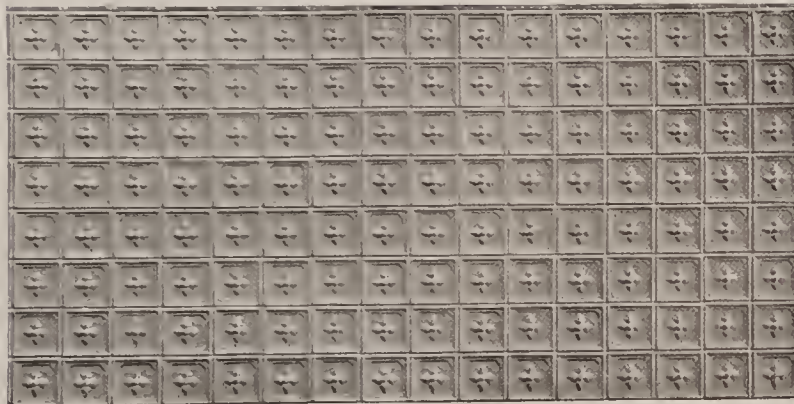
Field Ceiling Plate. Size, 24 x 96 inches.
Countersunk Joint.

600



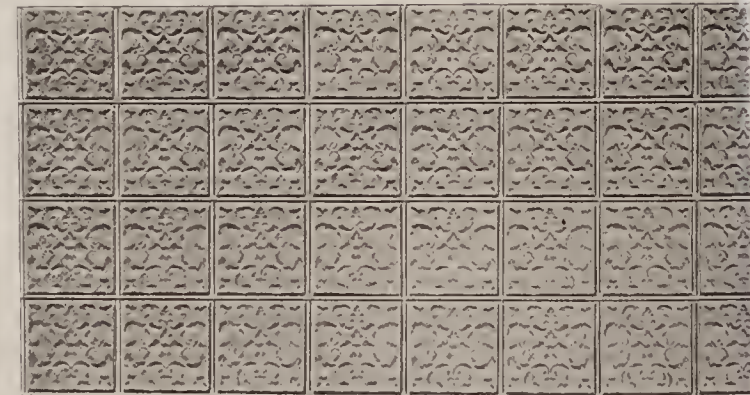
Field Ceiling Plate. Size, 24 x 96 inches.
Bead Lap.

116



3x3-inch Tile in Sheets 24x96 inches. Countersunk Joint.

51



RENAISSANCE. Size, 24 x 96 inches. 6 x 6 inch squares Countersunk Joint.



Rococo Panel, Shallow.
5/8 inch deep. 24x96 inches.
Countersunk Joint



24x96 inches.
Countersunk Joint



Field Plate. 24x96 inches.
Countersunk Joint.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

64



24x96 inches.
Countersunk Joint

67



Ceiling Field Plate. FRENCH RENAISSANCE. Size, 24 x 43 inches.
Countersunk Joint



Countersunk Joint Ceiling Plate. 24 x 48 inches.

833



Stipple Work.
Size 24 to 30x96 to 120 inches.
Margin Lap.

673



Continuous Colonial Plates 12x12 inches, in
sheets 24x96 inches. Countersunk Joint.

834



Continuous Colonial Plates 12x12 inches, in
sheets 24x72 inches. Countersunk Joint.



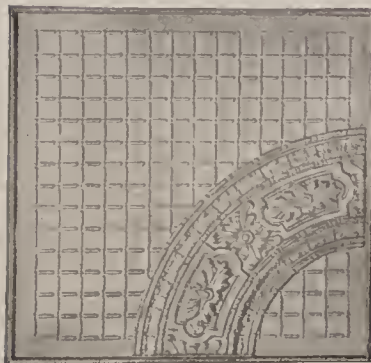
SUPPLIED WITH BUTT COUNTERSUNK JOINTS

434



Plates 12x12 inches. In Sheets 24x96
7/8-inch Deep Mould. Countersunk Jo

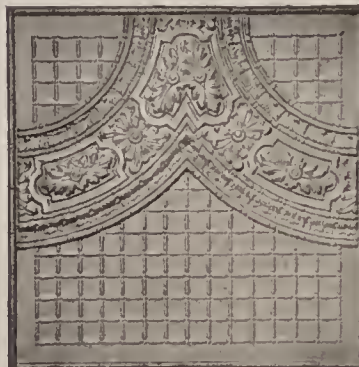
501



24 x 24 inches.

Bead Lap.

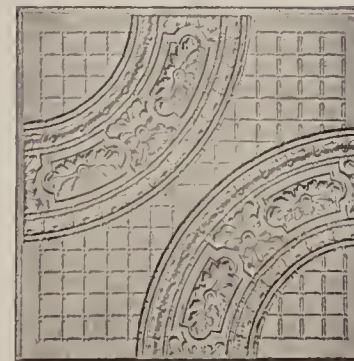
502



24 x 24 inches.

501 - 502 - 503 - 504.

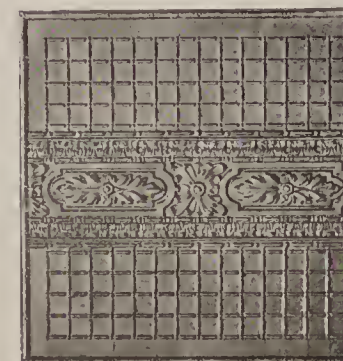
503



24 x 24 inches.

Bead Lap.

504



24 x 24 inches.

61



Gothic Ceiling Plate. 24 x 24 inches.

65



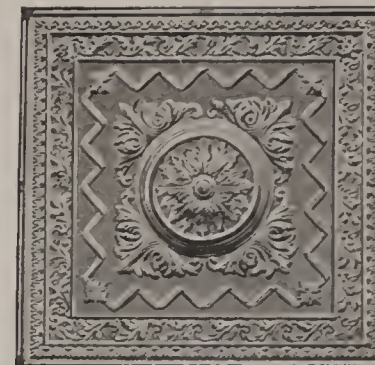
Gothic. Size, 24 x 24 inches. 7/8 inch deep.

70



24 x 24 inches.

96



24 x 24 inches.
Center Plate.

These plates are supplied with Countersunk Joints

68



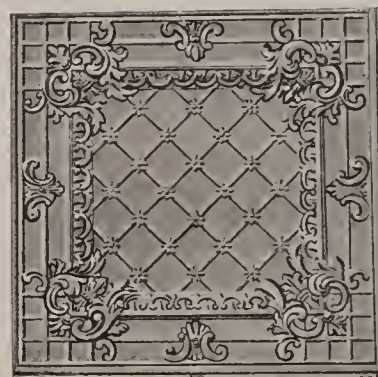
24 x 24 inches.

69



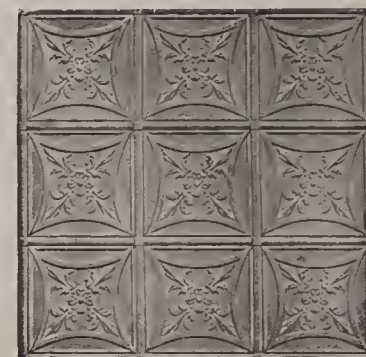
Rococo Panel. Size, 24x24 inches.
24x96 inches.

168



Rococo Panel, Shallow. Size, 24x24 inches.

174



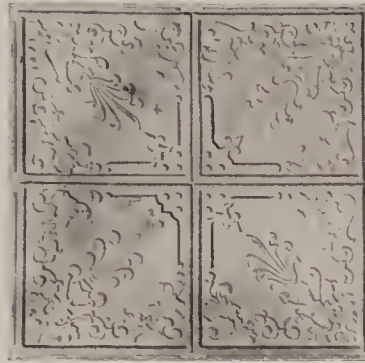
COLONIAL FRET. Field Plate. 27x27 inches.

525



24 x 24 inches. 12 x 12 inch squares.

567



Field Plate or Side-Wall. Size, 24 x 24 inches.

4



24 x 24 inches.

5



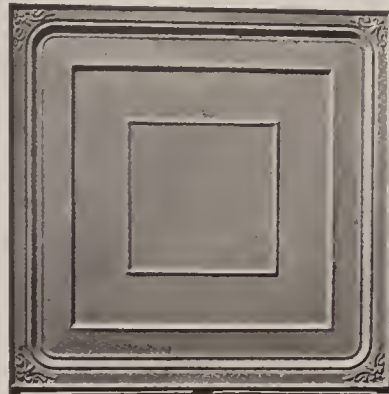
Star Ceiling or Side Wall.
Size, 24 x 24 inches. Bead Lap

71



Gothic (14th Century). Size, 24 x 24 inches.

30



24 x 24 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

810



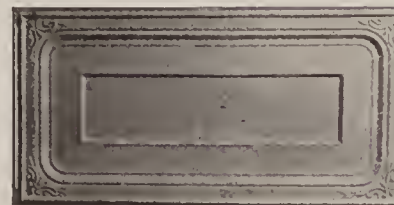
Field Plate, 24 x 24 inches.

43



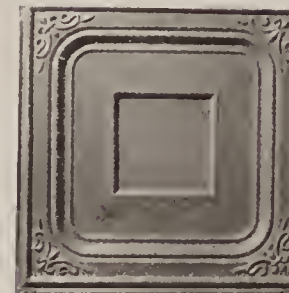
EMPIRE Field Plate.
18 x 18 inches.

98



12 x 24 inches.

99



12 x 12 inches.

419



12 x 12 inch Centers.
Bead Lap

427



6x24 inches
Side Finishing Mould.

428



6x6 inches
Corner Block.

157



French Mortar Line Steel Brick. Size, 2x8 inches, in Sheets 30 x 96 inches.

155



Plain Mortar Line Steel Brick. Size, 2x8 inches, in Sheets 30 x 96 inches.

800



Sheet Tile, Size 1½x6 inches in Sheets 24 96 inches.

10



18 x 24 inches.

303



18 x 18 inches.

Bead Lap

18



18 x 24 inches.

307



18 x 18 inches.

309



18 x 18 inches.

308



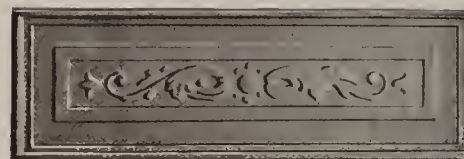
21x32¼ inches.

306



21x32¼ inches.

14



6 x 18 inches.

Wainscoting Dado Plate

15

21



12 x 12 inches

22



12x12 inches.

26



9 x 9 inches.

62



Field Plate. 12 x 12 inches.

23



12x24 inches.

24



12 x 24 inches.

27



9 x 24 inches.

63



Field Plate. 12 x 24 inches.

29



18 x 36 inches. Wainscoting Plate.

321



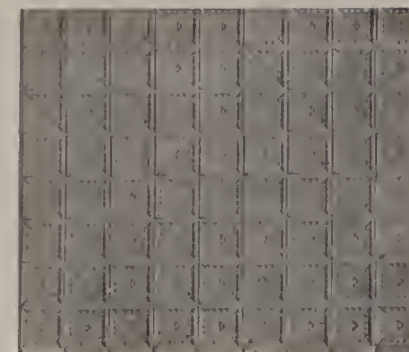
Size 24x30. Frieze, Dado, or Wainscoting Plate.

59



ITALIAN Button Blocks, 4 x 4 inches.
Sheets, 28 x 68 inches.

526



Size, 24 x 96 inches. Blocks, 3 inches square.

527



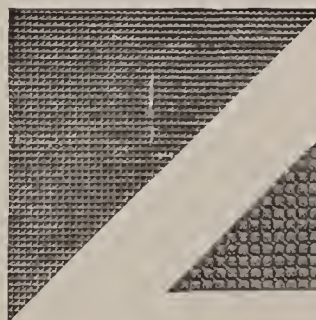
Size, 24 x 96 inches. Blocks, 3 x 6 inches.

28



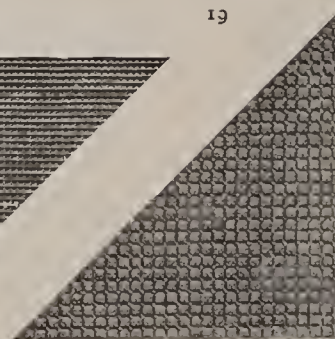
14½ x 26 inches.

25



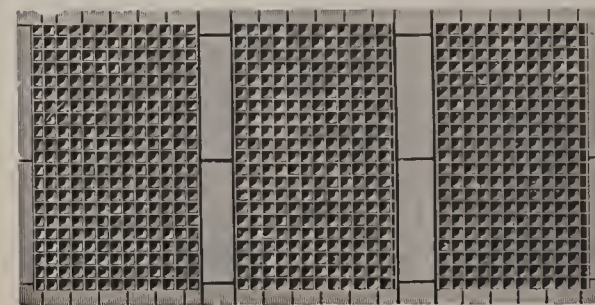
9 x 9 x 12 inches.

19



12 x 12 x 16 inches
Triangular Plates, used with our Wainscoting Plates
on the Rake as shown in Fig. 803, Page 73.

731



Shows Pebble Panel, Dado, Post Covering or Wainscoting.
Width, 13 to 26 inches. Length, 12 to 96 inches.

729



$\frac{5}{8}$ -inch Deep Bead, 18 x 18 inches.
Bead Lap.

101



Centers 18x18 inches.

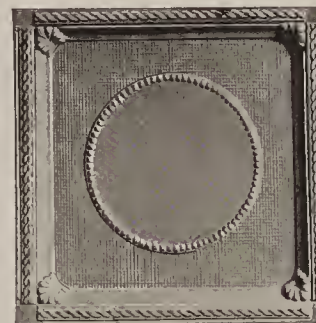
SUPPLIED WITH BUTT COUNTERSUNK JOINTS

103



Centers 9x9 inches.

119



$25\frac{1}{4} \times 25\frac{1}{4}$ inches. Field Plate.

118



Size Plate, $25\frac{1}{4} \times 25\frac{1}{4}$ inches.
Center Plate used with Triangular Plates, Fig. 10
to form Center Pieces 36 x 36 inches.

102



Centers 18x9 inches.

104



18 x 18 x 25 inches.

728



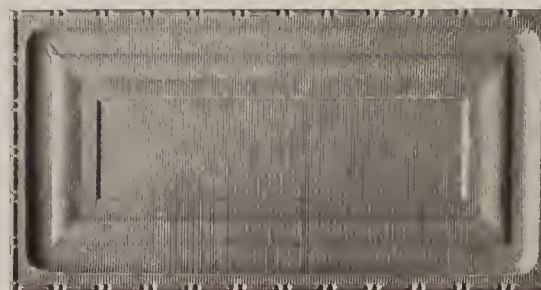
$\frac{5}{8}$ -inch Deep Bead, 18 x 36 inches.
Special Gothic Style for Church Work.
Bead Lap

100



18 x 36 inches.

829

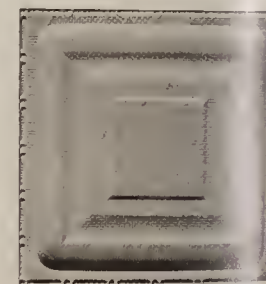


18x36 inches.



Pattern is 6 x 6 inches, $\frac{7}{8}$ inch deep.
In sheets, 24 x 24 inches.

828



18x18 inches.

Colonial Mould Plates, $1\frac{1}{2}$ inch deep
Can be applied with Butt Edges, Countersunk
Joints or Bead Lap.

92

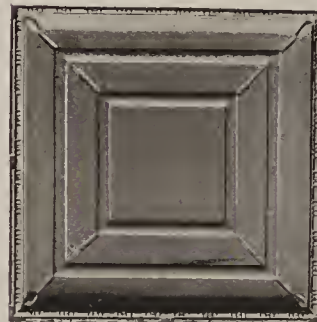


Imperial Plates. $1\frac{3}{4}$ inches deep.
Size, 24 x 48 inches.

408



24 x 48 inches.
409



Centers 24x24 inches.

93



Imperial Plates. $1\frac{3}{4}$ inches deep.
Size, 12 x 24 inches.

80



12 x 24 inches.

410



Centers 24x12 inches.

75



24 x 48 inches.

79



24 x 24 inches.

81



12 x 12 inches.

421

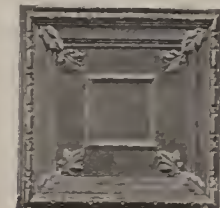


19 x 38 inches. $2\frac{1}{8}$ inches deep.
422



19x19 inches. $2\frac{1}{8}$ inches deep.

94



Imperial Plates. $1\frac{3}{4}$ inches deep.
Size, 12 x 12 inches.

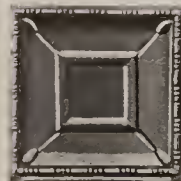
SUPPLIED WITH BUTT COUNTERSUNK JOINTS

91



Imperial Plates. $1\frac{3}{4}$ inches deep.
24 x 24 inches.

411



Centers 12x12 inches.

90



Colonial Plates, 2 1/8 inches deep. 24 x 48 inches

89



Colonial Plates, 2 1/8 inches deep. 24 x 24 inches.

74



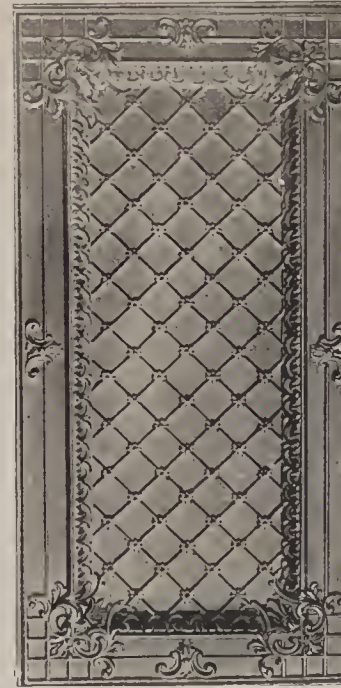
Elizabethan Deep Plates, 1 7/8 inches deep.
24 x 48 inches.

73



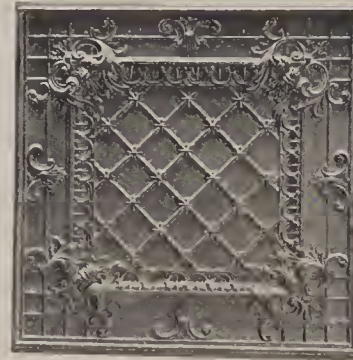
Elizabethan Deep Plates, 1 7/8 inches deep.
24 x 24 inches.

497



24 x 48 inches. 1 3/8 inches deep.

500



24 x 24 inches. 1 3/8 inches deep.

82



24 x 48 inches.

83

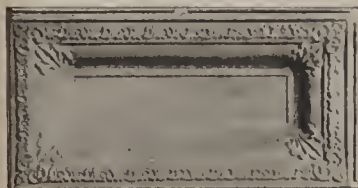


24 x 24 inches.

SUPPLIED WITH BUTT COUNTERSINK JOINTS



516



Colonial Plates 12 x 24 inches.

512



12 x 24 inches.

498



12 x 24 inches. 1 3/8 inches deep.

84



12 x 24 inches.

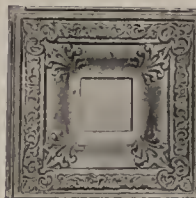
573



24 x 13 inches.

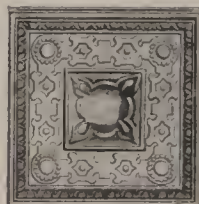
When Rococo Deep Borders, Figs. 509, 510 and 511, are used with above plates, it requires Furring 1 1/8 x 1 3/4 inches.

517



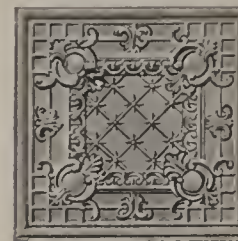
Colonial Plates.
12 x 12 inches.

513



12 x 12 inches.

505



1 3/8 inches deep.
12 x 12 inches.

85



12 x 12 inches.

140



24 x 24 inches. 1 1/4 inches deep.

66



ELIZABETHAN Plate. Size, 24 x 24 inches.
1 1/2 inches deep.

569



Corner Ceiling Plate, 15 3/8 inches deep.
Size, 24 x 24 inches.
Special Plate for Corner Divisions.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

429



24x24x34 inches
Triangular Plate used with all styles of Deep Plates.
2 x 2 or 2 x 4 feet.

113



Mould, 1 3/8 inch deep. Size, 30 1/2 x 30 1/2 inches.

114



Renaissance Mould Plates. From 1 inch to 1 3/8 inch deep. Size, 30 1/2 x 30 1/2 inches.

712



Gothic Field Plate, 24x24 inches. Deep Panel Field Plates, See Figs. 732 and 733. For Gothic Ceiling Design, See Fig. 734.

713



Gothic Field Ceiling Plate. 24x48 inches.

732



24x24 inches. 3 1/2 inches deep. Used as Field Plate in ceiling or as a center piece in combination.

Any plates, 12x24 and 12x12, Deep or Beaded, form Centers 48x48 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

855



30 x 30 inches.

868



24 x 24 inches.

865



30 x 6 inches.

866



6x6 inches.

867



24 x 6 inches.

733



Gothic Deep Mould Field Ceiling Plate, 1 1/2 inches deep. Size, 24x24 inches.

THE PENN METAL CEILING AND ROOFING CO., LTD., PHILADELPHIA, PA., AND BOSTON, MASS.

These Plates are shipped with and without margin on the sides. Mechanic will shear margin off when required as noted in working plans furnished.

430



18 x 18 inches.

431



18 x 24 inches.



SUPPLIED WITH BUTT COUNTERSUNK JOINTS

432

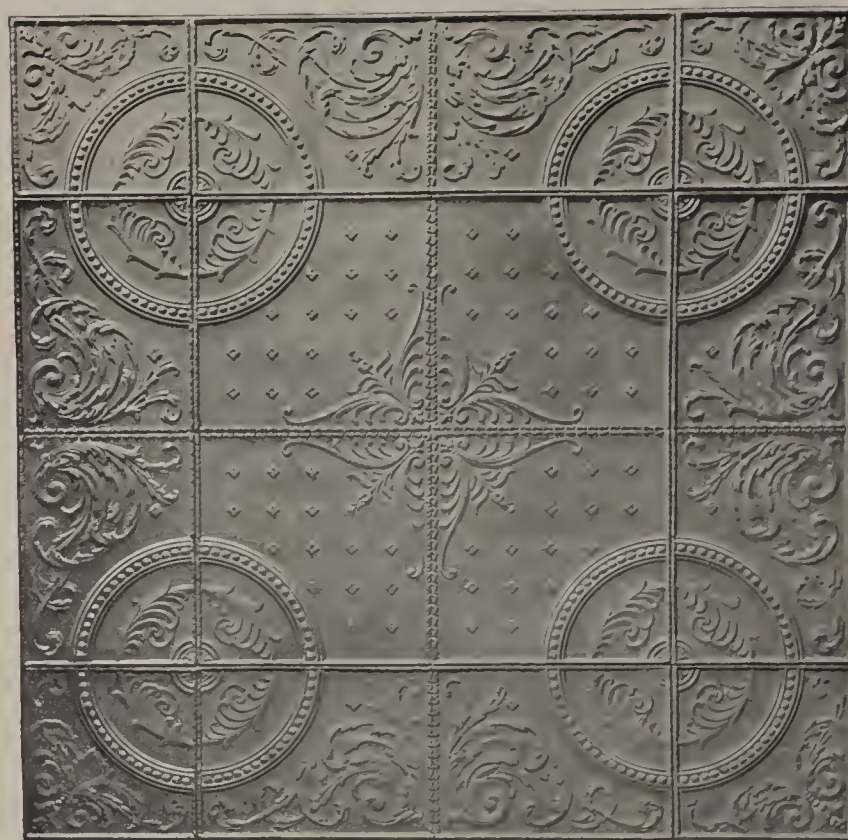


18 x 24 inches.

433



24 x 24 inches.



Combination of Figs. 430 to 433.
Size, 72 x 72 inches. Field design is continuous or can be divided in 72 inch square panels, surrounded by dividing beam moulds and blocks

559



Out Corner Plate. Size, 24 x 24 inches.

560



Border Panel Plate. Size, 24 x 48 inches.

564



Follow Plate. Size, 24 x 24 inches.

561



In Corner Plate. Size, 24 x 24 inches.

565



Border Panel Plate. Size 24x24 inches.



467



Border, 11 1/2 x 24 inches.

464



Border 12 1/2 x 24 inches

817



11 1/2 x 11 1/2 inches.

816



Corner, 12 1/2 x 12 1/2 inches.

509



24x24 inches. 1 3/8 inches deep.

510



24x24 inches. 1 3/8 inches deep.

511



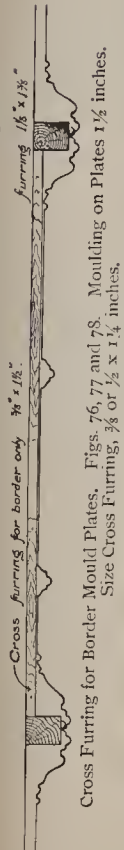
24 x 24 inches. 1 3/8 inches deep.

568



1 3/8 deep Frieze or Border. Size, 24 x 48 inches.

When Border Plates are used it requires furring strips $1\frac{1}{8} \times 1\frac{1}{2}$ inches for Ceiling Plates.



Cross Furring for Border Mould Plates, Figs. 76, 77 and 78. Moulding on Plates $1\frac{1}{4}$ inches.
Size Cross Furring, $\frac{3}{8}$ or $\frac{1}{2} \times 1\frac{1}{4}$ inches.

SUPPLIED WITH BUTT JOINTS

76



24 x 24 inches.
Left Empire Deep Mould Corner Plates.

77



24 x 24 inches.
Field Empire Deep Mould Plates.

78



24 x 24 inches.
Right Empire Deep Mould Corner Plates.

708



Right corner Border Plate, 24x24 inches.

709



Field Border Plate, 24x24 inches.

710



Left Corner Border Plate, 24x24 inches.

25

86



Left Corner Border Plate. Size, 24 x 24 inches.

87



Follow Border Plate. Size, 24 x 24 inches.

88



Right Corner Border Plate. Size, 24 x 24 inches.

31



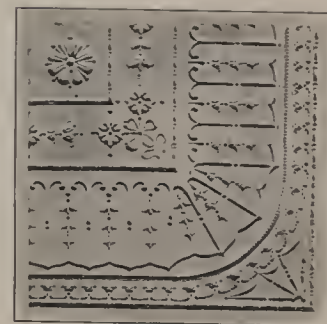
24 inch wide Border.
Right Corner Border Plate.
24 x 24 inches.

32



Field Border Plate.
24 x 24 inches.

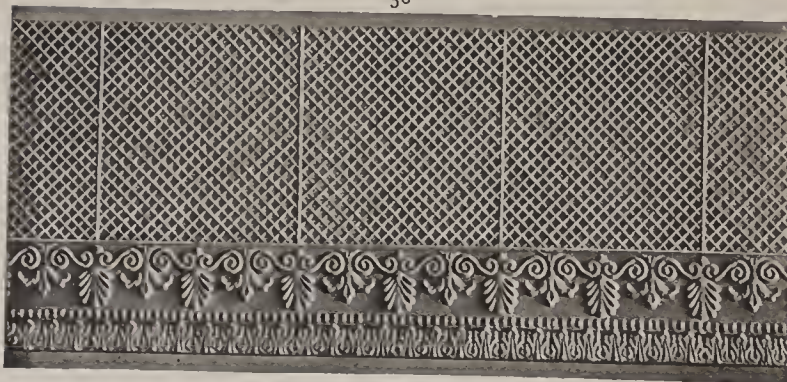
33



Left Corner Border Plate.
24 x 24 inches.

Styling or Filler, With or Without Moulding on One Side

56

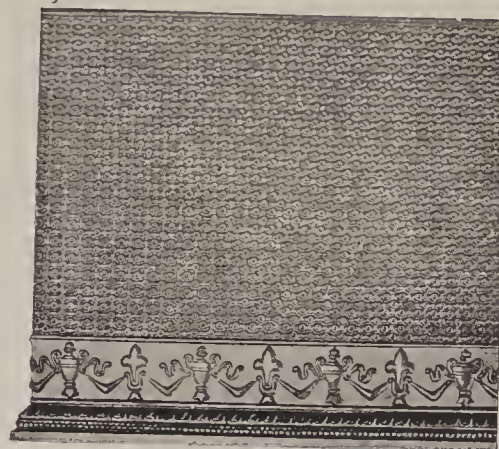


Filler with Mould.

Section through Enriched Mould Fret or Stiling; width, out to out, 15, 14, 13, 9, 8, 7 and 6 inches. Length, 1 to 8 feet.

818

531

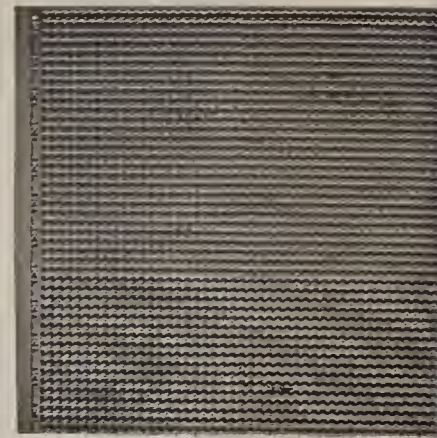


Filler with Mould.

Size, 6 to 26½ inches wide x 1 to 8 feet long.

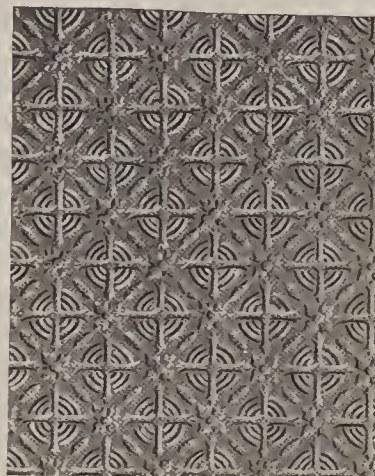
531

146



ROMAN Ceiling or Side Wall. Size, 25 x 48 or 96 inches

55

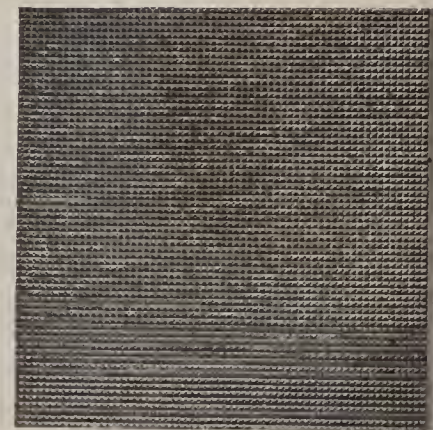


Diaper Filler.

Width 24 to 28 inches. Length 96 inches.

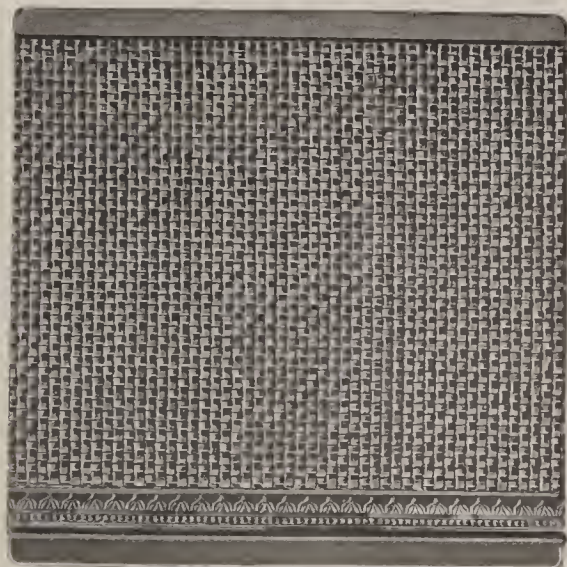
26

124



¾-inch Checked Field Stiling or Filler.
Size, 28 x 96 inches.

BASKET FILLER { A 27 x 96 } or 6 to 27 inches wide by 96 inches long.
 { B 24 x 96 }



Enriched Borders—Frieze or Dado

310



8 x 96 inches.

312



8½ x 96 inches.

311



7 x 96 inches.

314



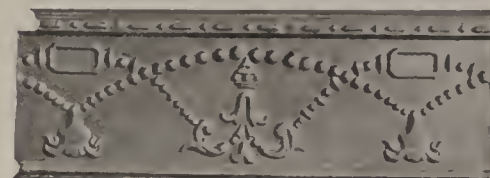
6 x 96 inches.

325



6 x 96 inches.

326



7½ x 96 inches.

831



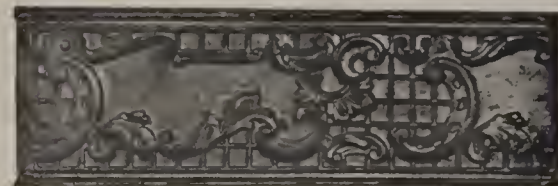
"Walls of Troy" Frieze. Size, 6x96 inches.

145



Greek Border. Size, 16½ x 96 inches.

305



7 x 96 inches.

149



Grape Vine Border. Size, 12 x 96 inches.

142



Border, 10½ x 96 inches.

333



6 x 96 inches.

Metal Art Coverings for perpendicular or horizontal surfaces, such as Arches, Columns, Pillars or Girders, as illustrated in Fig. 590 Combined with rich Metal Mouldings, of the many styles we manufacture.

Enriched Frieze with Bottom Mould

542



Frieze. Girth, 22 $\frac{7}{8}$ inches. Length, 1 to 8 feet.

546



Frieze. Girth, 15 $\frac{1}{2}$ inches. Length, 1 to 8 feet.

534



Frieze. Girth, 9 inches. Length, 1 to 8 feet.

540



Frieze, Girth, 11 inches. Length, 1 to 8 feet.

538



Frieze. Girth, 10 $\frac{3}{4}$ inches. Length, 1 to 8 feet.

519



Frieze. Girth, 8 $\frac{3}{8}$ inches. Length, 1 to 8 feet.

330



12 x 96 inches.

544



Frieze. Girth, 8 inches. Length, 1 to 8 feet.

515



Frieze. Girth, 11 $\frac{1}{2}$ inches. Length, 1 to 8 feet.

521



Frieze. Girth, 11 $\frac{3}{4}$ inches. Length, 1 to 8 feet.

Enriched Border and Filler Combinations

523



Girth, 28 inches by 1 to 8 feet long. Combination Filler.

522



Combination Filler. Girth, 28 3/4 inches by 1 to 8 feet long.

835



Border or Frieze 12x96 inches.

523

522

524

805



Cove, Frieze or Border Plate. Size, 16 3/4 x 96 inches.

804



Cove, Frieze or Border Plate. Size, 16 3/4 x 96 inches.

524



Combination Filler. Girth, 27 inches. Length, 1 to 8 feet.

Borders—Frieze or Dado

Figs. 48 and 49, Zinc Drop Blocks to be used with Border, Fig. 47 or 45, when Stamped Corner Pieces are not wanted.

44



24 x 7 inches.

47



EMPIRE BORDER. Size, 7 x 24 or 96 inches.

13



7 x 7 inches.

16



6 x 12 inches.

45



Colonial Border.
Size, 6 x 24 or 96 inches.

46



6 x 18 inches.

34



24 x 12 inches.

35



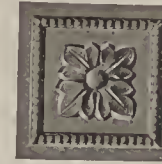
EMPIRE BORDER. Size, 12 x 24 inches.

20



12 x 12 inches.

48



7 x 7 x 1 3/4 inches.
Zinc Drop Block, used with Border.
Fig. 47.
when preferred to Fig. 13.

39



Left Corner Border Plate
12 x 12 inches.

40



Field Border Plate.
12 x 24 inches.

38



12 inch wide Border.
Right Corner Border Plate.
24x24x12 inches.

36



Left Corner Border Plate.
18 x 18 inches.

37



Field Border Plate.
18 x 24 inches.

41



18 inch wide Border.
Right Corner Border Plate.
18 x 24 inches.

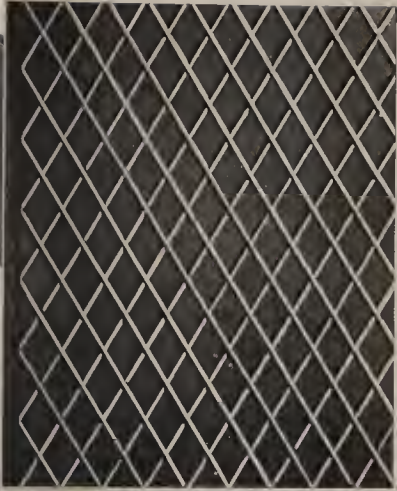
49



6 x 6 x 1 inches.
Zinc Drop Block, used with Border.
Fig. 45.
when preferred to Fig. 16.

Side Wall Decorations

148



Imperial Diaper Side-Wall or Ceiling Field Work
Size, $24\frac{1}{2} \times 96$ inches.

53



2-inch Beaded for Ceilings or Sidings.
Size $24 \times 26 \times 96$ inches.

125



GOthic (14TH CENTURY). Size, $21\frac{5}{8} \times 96$ inches.

129



GOthic (14TH CENTURY).
Size, 19×96 inches.

122



Natural Rose Side-Wall. Size, $20\frac{1}{2} \times 96$ inches.

123



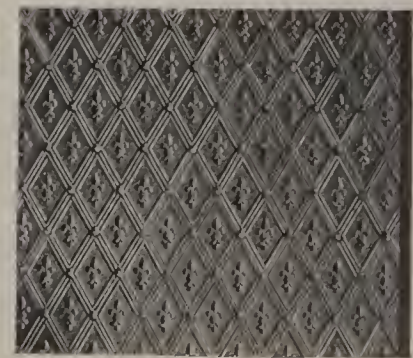
Marie Antoinette Side Wall. Size, $20\frac{1}{4} \times 96$ inches.

130



16TH CENTURY ENGLISH DIAPER.
Size, 30×96 inches.

128



FLEUR DE LIS. Size, $26\frac{5}{8} \times 96$ inches.

Side Wall Decorations

134



FRANCIS I. No. 1. Size, $24\frac{5}{8}$ x 96 inches.

138



FRANCIS I. No. 2. Size, $24\frac{5}{8}$ x 96 inches.

135



GOthic (16TH CENTURY) Side Wall
Size, $21\frac{1}{8}$ x 96 inches.

57



Oriental Side Wall or Ceiling (Field). Size, 21 x 96 inches

420

Greek Wainscoting or Side Wall.



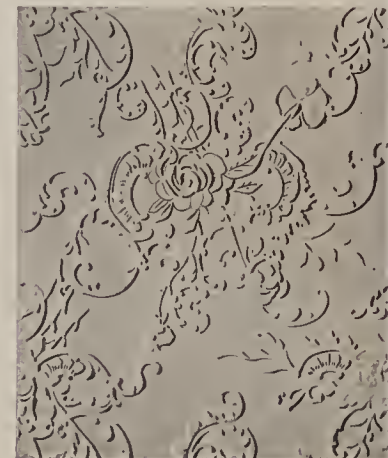
$24\frac{1}{4}$ x 120 inches $\frac{7}{8}$ -inch deep Line Stamp.
Special work for side wall and wainscoting designs.

167



Rococo Side Wall or Large Cove. Size, $20\frac{7}{8}$ x 96 inches.

153



Rococo Side-Wall Section.
Size, $17\frac{3}{4}$ x 96 inches.

Borders and Fields of Side Walls

131



FRANCIS I. Frieze or Cove. Size, 24 3/4 x 96 inches.

126

150



Frieze or Cove. Size, 20 1/2 x 96 inches.

127

133



FRENCH RENAISSANCE. Frieze or Cove.
Size, 20 1/2 x 96 inches

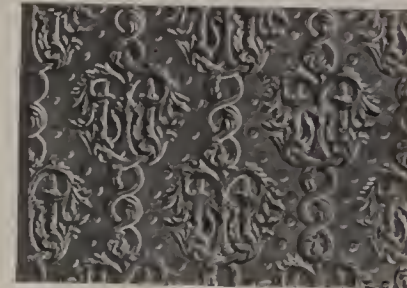
137

136



FRENCH RENAISSANCE, for Frieze or Cove.
Size, 19 1/4 x 96 inches.

139



FRENCH RENAISSANCE. Side Wall.
Size, 32 1/8 x 96 inches.

72



Size of configurations, length and width, large, 8 x 5 inches; small, 4 x 2 1/2 inches. Sheets, 28 x 96 inches.



FRENCH RENAISSANCE. Side Wall.
Size, 18 x 96 inches.



Elizabethan Cove or Frieze. Size, 28 x 96 inches.

Borders and Fields of Side Walls

718



Gothic Frieze. 18 x 96 inches.

507



ROCOCO FRIEZE. Size, 22 x 48 inches.

105



Cove or Frieze. Size, 19½ x 36 inches.

143



For Frieze, Cove or Border. Centers, 12 x 96 inches. Girth, 13 inches.

156



Rococo, for Frieze or Cove with Pilaster Size, 18½ x 49 inches.

154



EMPIRE Frieze or Cove Size, 20½ x 36 inches.

132

151

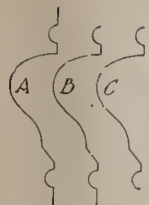


Frieze or Cove. Size, 19½ x 96 inches.



GOthic (16TH CENTURY). Frieze or Coves. Size, 21½ x 96 inches.

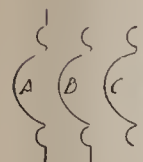
Embossed Panel Mouldings



158



Enriched Foot Mould. Width, $4\frac{1}{4}$ inches. Depth, $1\frac{1}{2}$ inches. Length, 4 to 8 feet. When wanted for picture mould, specify it in order.



160



Enriched Foot Mould. Width, $3\frac{1}{8}$ inches. Depth, $\frac{7}{8}$ inch. Length, 4 to 8 feet. When wanted for picture mould, specify it in order.



162



Leaf Mould. Depth, $1\frac{1}{2} \times \frac{3}{8}$ inches. Length, 4 to 8 feet



172



Dental Embossed Mould. Width, $1\frac{5}{8}$ inches. Depth, $\frac{5}{8}$ inch. Length, 4 to 8 feet.



173



Enriched Dental Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{5}{8}$ inch. Length, 4 to 8 feet.



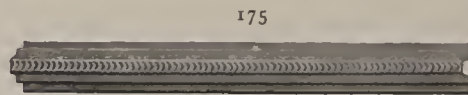
Hugging Rosette for Moulding, Fig. 172



Hugging Rosette for Moulding, Fig. 173.

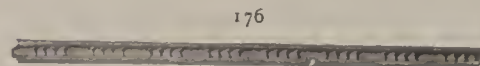
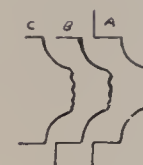


Hugging Rosette for Moulding, Fig. 175.



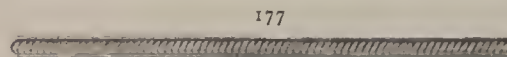
175

Shows Figured Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{5}{8}$ inch. Length, 4 to 8 feet. Also made width $2\frac{3}{4}$ inches, depth $1\frac{1}{4}$ inches. Length, 4 to 8 feet



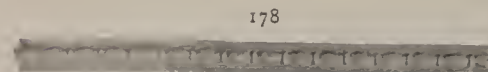
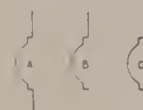
176

Spool and Ball Mould. Width $1\frac{1}{4}$ inches. Length, 4 to 8 feet.



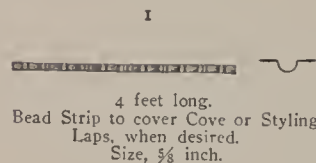
177

Rope Mould. Width, $1\frac{1}{4}$ inches. Length, 4 to 8 feet.

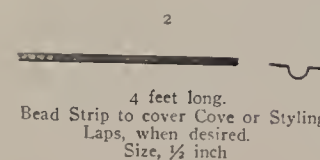


178

Ring and Ball Mould. Width, $1\frac{1}{4}$ inches. Length, 4 to 8 feet

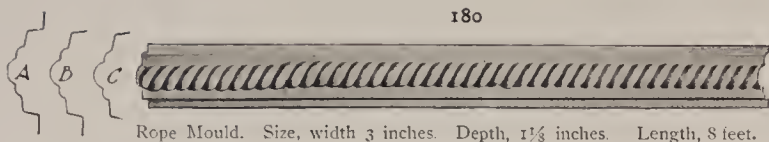


4 feet long.
Bead Strip to cover Cove or Styling
Laps, when desired.
Size, $\frac{5}{8}$ inch.

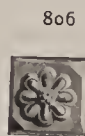


4 feet long.
Bead Strip to cover Cove or Styling
Laps, when desired.
Size, $\frac{1}{2}$ inch

Embossed Panel Mouldings



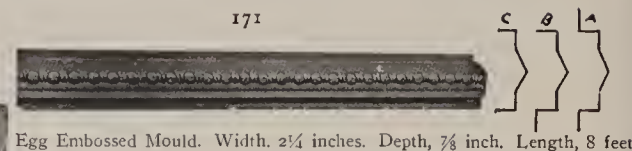
Rope Mould. Size, width 3 inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.



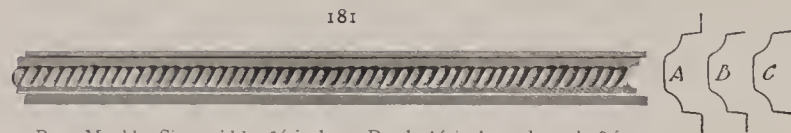
Drop Block for Fig. 180 or 183. $3 \times 3 \times 2\frac{1}{8}$ inches.



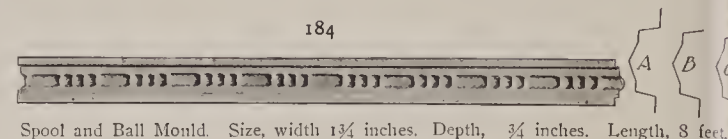
Hugging Rosette for Moulding, Fig. 171.



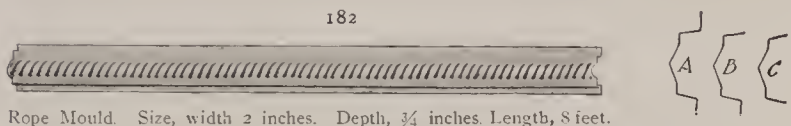
Egg Embossed Mould. Width, $2\frac{1}{4}$ inches. Depth, $\frac{7}{8}$ inch. Length, 8 feet.



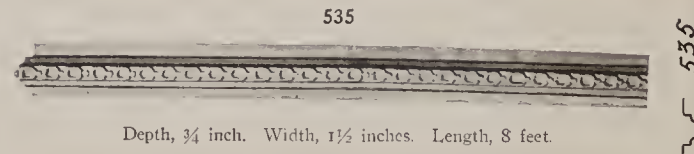
Rope Mould. Size, width $2\frac{5}{8}$ inches. Depth, $\frac{1}{8}$ inches. Length, 8 feet.



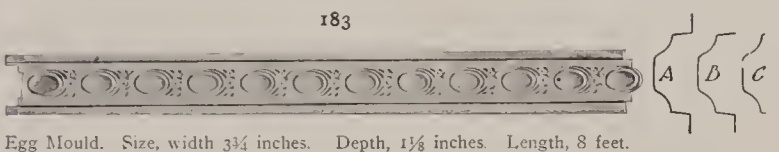
Spool and Ball Mould. Size, width $1\frac{3}{4}$ inches. Depth, $\frac{3}{4}$ inches. Length, 8 feet.



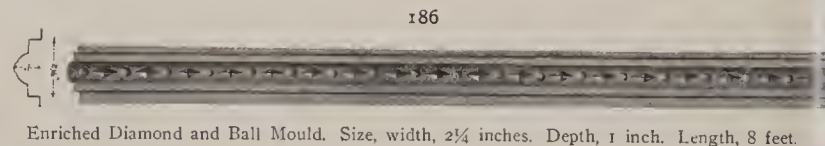
Rope Mould. Size, width 2 inches. Depth, $\frac{3}{4}$ inches. Length, 8 feet.



Depth, $\frac{3}{4}$ inch. Width, $1\frac{1}{2}$ inches. Length, 8 feet.



Egg Mould. Size, width $3\frac{3}{4}$ inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.



Enriched Diamond and Ball Mould. Size, width, $2\frac{1}{4}$ inches. Depth, 1 inch. Length, 8 feet.

Embossed Beam Moulds and Zinc Drop Blocks

199



Beam Mould. Width, 7 to 12 inches. Depth, $1\frac{1}{4}$ to 3 inches. Length, 8 feet.

205



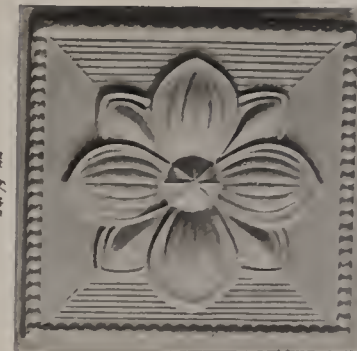
9 x 9 inches.
Used with Fig. 199.

204



Ornament, $7\frac{1}{4} \times 7\frac{1}{2}$ inches
Used with Fig. 199.

9



Used with Beam Mould, Fig. 199.
Size, 12 x 12 inches.

214



Enriched Dividing Mould. 6 inches wide, $2\frac{1}{2}$ inches deep, 8 feet long.

215



$6 \times 6 \times 3\frac{1}{2}$ inches.
Used with Fig. 214.

218



Ring and Rosette Beam Mould. Size, $6 \times 1\frac{1}{4}$ inches, deep. Length, 8 feet.

216



$6 \times 6 \times 2\frac{1}{4}$ inches.
Used with Mouldings
Figs. 217 and 218.

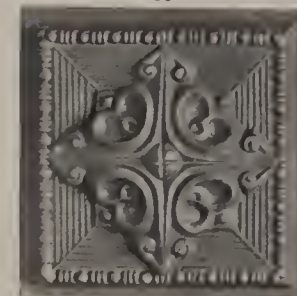
217



Egg and Dart Beam Mould. Size, $6 \times 1\frac{1}{4}$ inches, deep. Length, 8 feet.

N.B.—ALL OF OUR DROP BLOCKS ARE MADE FROM NO. 9 SHEET ZINC.

280



Used with Beam Mould, Fig. 199.
Size, $10\frac{3}{8} \times 10\frac{3}{8}$ inches.

Enriched Beam Moulds and Zinc Drop Blocks

194



Egg and Dart Beam Mould. Depth, 3 inches. Width, 6 inches.



195



Rococo Beam Mould. Size, 1 to 10 feet. Depth, $3\frac{3}{4}$ inches, width, 6 inches.

198



Enriched Spool and Ball Beam Mould. Width, 3 inches. Depth, $2\frac{3}{8}$ inches.

236



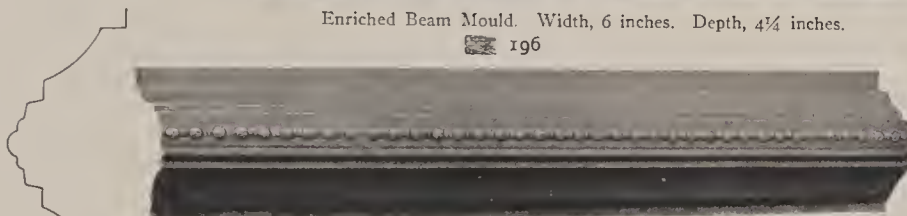
Rococo Beam Mould. $1\frac{1}{8} \times 6$ inches.

197



Enriched Beam Mould. Width, 6 inches. Depth, $4\frac{3}{4}$ inches.

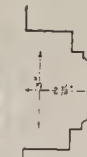
196



Shows Extra O. G. and Embossed Moulding. Used separate with shallow plates or in combination with Deep Moulding Plates. $6 \times 3\frac{3}{4}$ inches. 8 feet long.

N. B.—ALL OF OUR BLOCKS ARE MADE FROM NO. 9 SHEET ZINC.

203



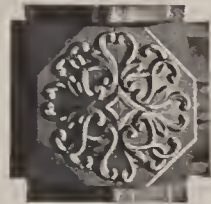
$3 \times 3 \times 3$ inches.
Used with Beam, Fig. 198.

200



$6 \times 6 \times 4\frac{3}{4}$ inches.
Used with Beam, Fig. 195.

200



$6 \times 6 \times 4\frac{3}{4}$ inches.
Used with Fig. 194.

216



$6 \times 6 \times 1\frac{1}{4}$. Beam Block.
Used with Fig. 236.

201



$6 \times 6 \times 4\frac{3}{4}$ inches.
Used with Beam, Fig. 196.

202



Drop Block. $6 \times 6 \times 5\frac{1}{4}$ inches.
Used with Beam, Fig. 197.



Enriched Beam Moulds and Zinc Drop Blocks

208



Empire Egg and Dart. Size, $3\frac{1}{2} \times 12$ inches.

209



12 x 12 x $4\frac{1}{4}$ inches.
Used with Fig. 208.

739



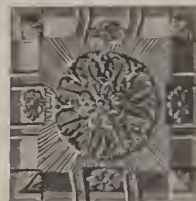
Drop Block for Fig. 714.
12x12x $5\frac{1}{2}$ inches.

210



Enriched Dividing Mould. Width, 12 inches. Depth (concave), $1\frac{3}{8}$ inches. This mould is formed to make Beam Mould, Fig. 197.

211



12 x 12 x $3\frac{3}{8}$ inches.
Drop Block, used with concave border.
Fig. 210.

212



Enriched Dividing Mould. 9 inches wide, $2\frac{5}{8}$ inches deep.

213



9 x 9 x 4 inches.
Used with Fig. 212.

714



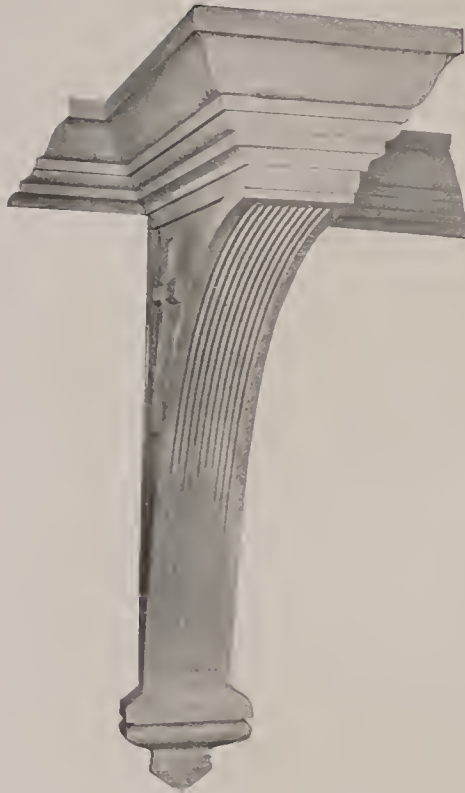
Gothic Beam Mould. Size, 12x3 inches; girth, 17 inches; length, 8 feet.

Brackets for Church Interiors

Special Brackets for Church Work Interiors.

343

826



859



825



227



Bracket and Cornice Combination, ornamental
or plain
Special attention paid to architects' drawings.

Stock Pattern, subject to
architects' suggestions and
changes.

For Pilaster Coverings. Height, 39 inches;
projection, 21 inches; width, 16 inches. All
sizes and styles made to order.

Enriched Beam Moulds and Zinc Drop Blocks

845



I. Two Parallel Margin Shoulder.

860



Stipple Field in angle sections with border effect



Sectional view of Fig. 851.
851



Fig. 833. Stipple and Beam Mould Effect. Beam Mould in different styles and sizes.



6 x 6 x 4 3/4 inches.



8

6



Ell. Two Margin Shoulder.



Cross. Four Margin Shoulder.

7



Tee. Three Margin Shoulder.

NOTE

All of our Beam Moulds are used with Zinc Drop Blocks, commercially known as crosses, ells, tees and parallel shoulders.

N. B.—THE ABOVE, FIGS. 6, 7, 8 AND 845, ILLUSTRATE MODE OF USING OUR BEAM MOULDS AND ZINC DROP BLOCKS. ALL OF OUR ZINC BLOCKS ARE PRESSED WITH MARGIN SHOULDER ON FOUR SIDES, AND FINISHED TO SUIT THE DIFFERENT REQUIREMENTS. BY PROVIDING SHOULDER LAP ON BLOCKS TO SUIT THE LAYOUT IN DESIGN SELECTED. CROSS, ELL, TEE OR FOLLOWERS, WE CHARGE TIME FOR TRIMMING OFF SHOULDER AND PUTTING IN ENDS.

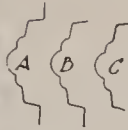
Embossed Moulds and Nose Mouldings

Flat or formed to finish around openings. In and out corner and girder finish

179



Rope Mould. Size, width $3\frac{1}{4}$ inches. Depth, $1\frac{1}{8}$ inches. Length, 8 feet.

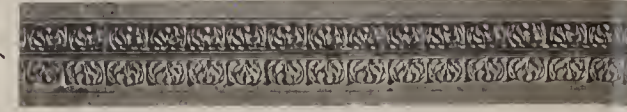


736



Drop Block for Fig. 179.
 $3\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{8}$ inches.

570



Mould. Girth $5\frac{1}{2}$ inches. Width $3\frac{3}{4}$ inches. Depth $1\frac{1}{4}$ inches.

716

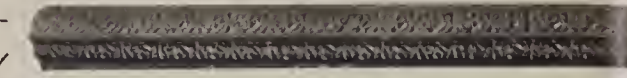


Gothic Beam Mould. Size 4×1 inch; girth, $7\frac{1}{2}$ inches; length, 8 feet.

737



Drop Block for Fig. 716.
 $4 \times 4 \times 2\frac{3}{8}$ inches.



Girder Corner for Skylights, or Stair Rakes and around Openings.

715



Gothic Beam Mould. Size, 6×1 inch; girth, 13 inches; length, 8 feet.

738



Drop Block for Fig. 715.
 $6 \times 6 \times 2\frac{3}{8}$ inches.

163



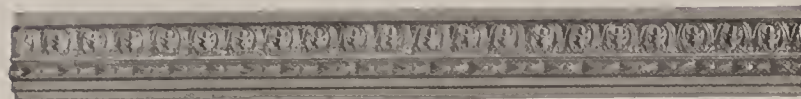
Left Concave Corner Mould. Size, $1\frac{1}{2} \times \frac{1}{4}$ inches. Depth, $\frac{3}{8}$ inch.
Length, 8 feet
Figs. 164 and 163 used with our side-wall designs.

164



Leaf Convex Corner Mould, to finish around Openings and bottom edge of Girders. Size $1\frac{1}{2} \times \frac{1}{4}$ inches. Depth $\frac{3}{8}$ inch. Length, 8 feet.

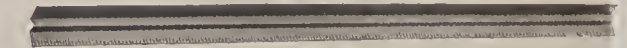
187



Enriched Mouldings for dividing Side-wall finish, foot of coves in high ceilings, or dividing sections of ceiling plates. 8-foot lengths. Depth, $1\frac{1}{2}$ inches. Width, $4\frac{1}{4}$ inches.



165



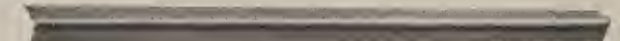
Concave Corner Mould. Girth, $2\frac{1}{4}$ inches. Used in our Side Wall work for Concave Corners.

189



Girder Corner finish, for Drop Girders 8 feet lengths formed.

166

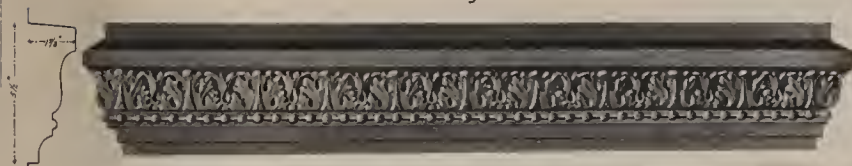


Convex Corner Mould. Girth, $2\frac{1}{4}$ inches. Used in our Side Wall work for Convex Corners.

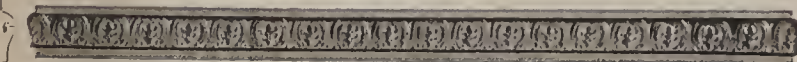
Figs. 165 and 166 used with all our Side Wall designs.

Enriched Chair Mouldings and Metal Base, and Plain Crimped Cornices, Straight or Curved

191

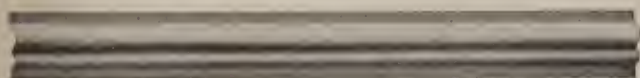


185



Enriched Chair Mould (medium) Size, width, 2 inches. Projection $\frac{7}{8}$ in. Length, 8 feet for wainscoting or cove finishing.

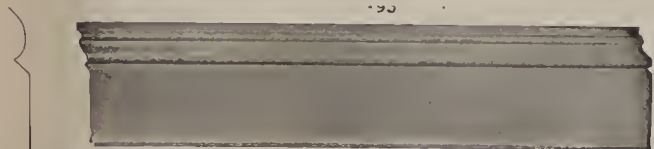
824



Finishing Mould, 2x96 inches, for Window and Door casings, formed special when ordered.

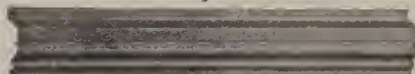


193



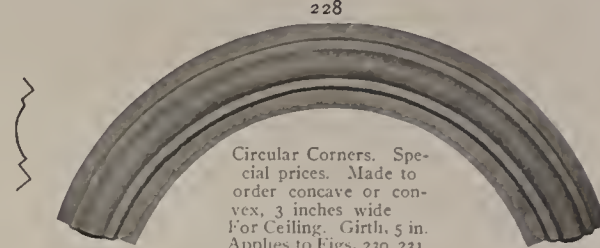
Metal Base Finish. Used with side wall material in place of wood base. Only furnished when ordered special. Size, projection, $1\frac{1}{2}$ inches x 8 feet Height 8 10 inches.

192



Chair Mould, size drop, $4\frac{1}{4}$ inches. Projection, $1\frac{3}{4}$ inches x 8 feet.

228



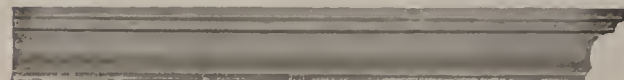
Circular Corners. Special prices. Made to order concave or convex, 3 inches wide for Ceiling. Girth, 5 in. Applies to Figs. 230, 231, 232 and 233.

230



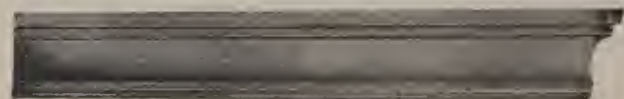
Cornice Mould. Projection, $2\frac{1}{2}$ inches. Drop, $2\frac{1}{2}$ inches. Length, 8 feet. Girth 6 in.

231



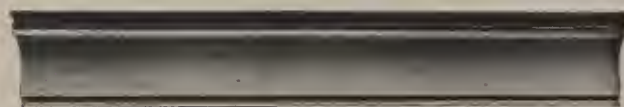
Cornice Mould. Projection, $3\frac{1}{2}$ inches. Drop, $3\frac{1}{2}$ inches. Length, 8 feet. Girth, $9\frac{1}{2}$ in.

232



Cornice Mould. Projection, $4\frac{1}{2}$ inches. Drop, $4\frac{1}{2}$ inches. Length 8 feet. Girth, 6 in.

233



Cornice Mould. Projection, 6 inches. Drop, 6 inches. Length, 8 feet, Girth $11\frac{1}{2}$ in.

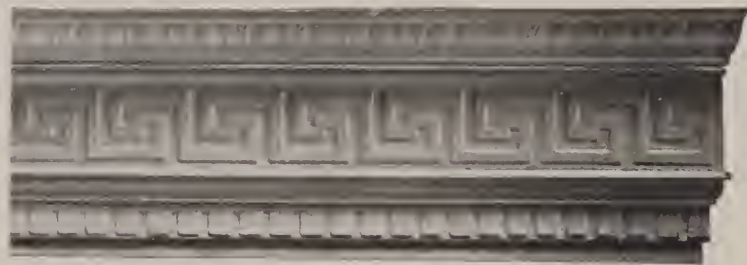
Enriched Small Coves and Medium Cornices, Curved or Straight

225



COLONIAL COVE. Very bold. Length, 6 to 8 feet. Projection, 8 inches. Drop, 13 inches. Girth, 19½ inches.

854



Combination Cove, Frieze and Dental Mould. Projection, 4½ inches. Drop, 12 inches.

701



Egg and Dart Cove. Drop, 6 in. Projection, 4 in.

832



Egg mould 6x6x9½ inches.

223



Leaf and Ball Cove. 3½ x 3½ inches. 7-inch girth.

219



Egg and Dart Cove Mould. 3 x 3 inches. 7-inch girth.

224



Egg and Dart Cove. 2½ x 2½ inches. 5-inch girth.

221



Egg and Dart Cove. 3 x 3½ inches. 7-inch girth.

226



Egg and Dart. 1½ x 1½ inches. 4½-inch girth.

220



Rococo Cove. 3½ x 3 inches. 7-inch girth.

222



Enriched Cove Mould and Frieze. Width, 5 inches. Projection, 1¾ inches.

856



Dental Cove, 2½ x 3½ inches.

A Complete Stamped Cornice and Frieze

675 GOTHIC STYLE



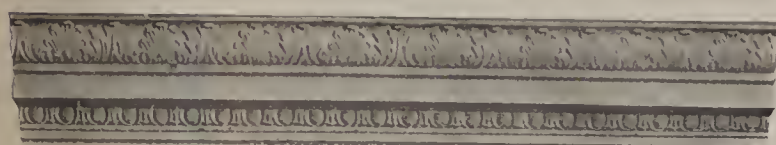
Stamped Cornices and Friezes, composed of three members (or pieces). Top member $6\frac{1}{2} \times 6\frac{1}{2}$ inches x 8 feet. Center member $24 \times 17\frac{1}{4}$ or 24 inches. Bottom member 4×96 inches.

676 COLONIAL EMPIRE STYLE

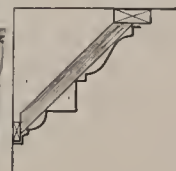


Top member $6\frac{1}{2} \times 6\frac{1}{2} \times 96$ inches. Center member $13\frac{1}{2}$ or $22\frac{1}{2} \times 96$ inches. Bottom member 5×96 inches.

751 RENAISSANCE



Renaissance Cornice. Projection, $6\frac{1}{2}$ inches. Drop $6\frac{1}{2}$ inches. Girth, 12 inches.

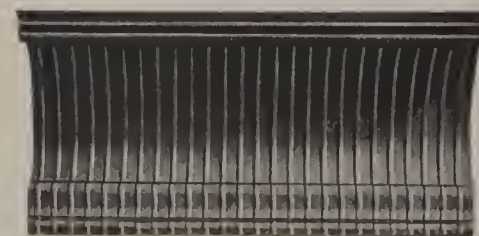


255



Imperial Cove. Girth, from 12 to 120 inches. Width of Curved Plates, in large reeds, 27 inches.

249



IMPERIAL Cove. Girth, 10 to 24×72 to 120 inches long.
Girth, without Top Mould, 12 inches. Projection, 7 inches. Drop, 8 inches.
Girth, without Top Mould, 15 inches. Projection, 8 inches. Drop, 10 inches.
Girth, without Top Mould, 24 inches. Projection, 12 inches. Drop, 15 inches.
Top Mould, $2\frac{1}{4}$ inches.

520



Cove. Girth, 13½ inches. Projection, 6 inches. Drop, 9 in.
Top Mould, 2½ inches wide.

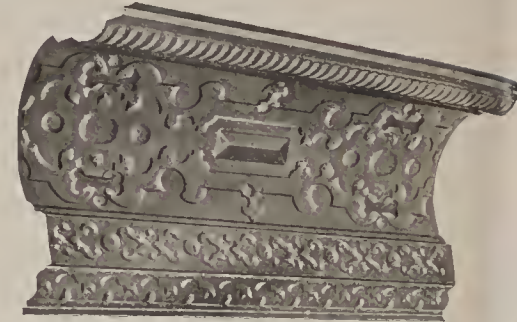
Embossed Coves

545



Cove. Girth, 17½ inches. Projection, 8 inches.
Drop, 11 inches
Without Top Mould. Top Mould, 2¼ inches wide.

514



Girth, 13½ inches. Projection, 6 inches. Drop, 9 inches.
Top Mould, 2½ inches wide.

537



Cove. Girth, 12 inches. Projection, 4½ inches.
Drop, 7½ inches. Without Top Mould.
Top Mould, 2½ inches wide.

539



Cove. Girth, 13 inches. Projection, 6 inches.
Drop, 9 inches without Top Mould.
Top Mould, 2¼ inches.

Coves supplied with bottom mould in one piece, top mould separate or attached to the filler.

247



ROMAN FRIEZE. Drop, 16 inches. Projection, 6 inches. Recedes, 5 inches
Made of Sheet Zinc and Galvanized Stock only.



543



Cove. Girth, 10 inches. Projection, 3½ inches. Drop, 6½ inches.



EMPIRE COLONIAL COVE. Girth, $20\frac{1}{2}$ x 96 inches. Drop on side wall, 13 inches. Projects on Ceiling, 11 inches.
Girth, $19\frac{1}{2}$ inches, without Top or Bottom Moulds.
Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.



EMPIRE COVE Girth, $21\frac{1}{2}$ x 36 inches. Drop on side wall 14 inches.
Projects on ceiling 12 inches, without Top or Bottom Moulds.
Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.

530



Cove with Top and Bottom Mould, all one piece.
Girth, 20 inches. Projection, 10 inches. Drop, 15 inches.
Length, 1 to 8 feet.

717

Gothic Cove. With Top and Bottom Mould.



Girth, 26 inches. Projection, 11 inches. Drop on Wall, 14 inches. Length, 48 inches

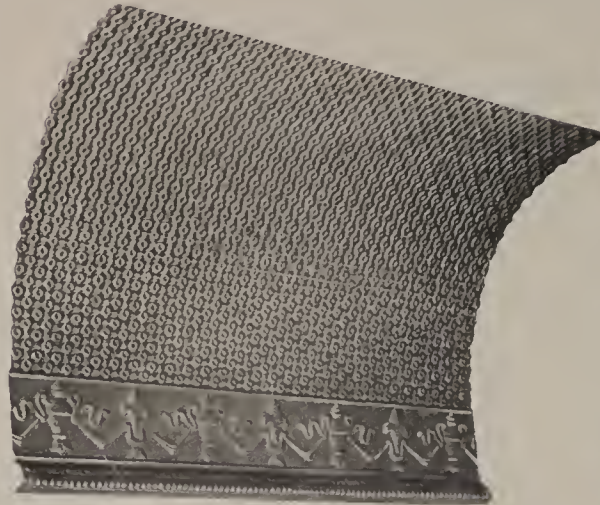
518



Girth, 10 inches. Projection, $4\frac{1}{2}$ inches. Drop, $6\frac{1}{2}$ inches.

Embossed Coves

532



Mould Cove Projection, 16 inches. Girth, $28\frac{3}{4}$ inches. Drop, 18 inches.

533

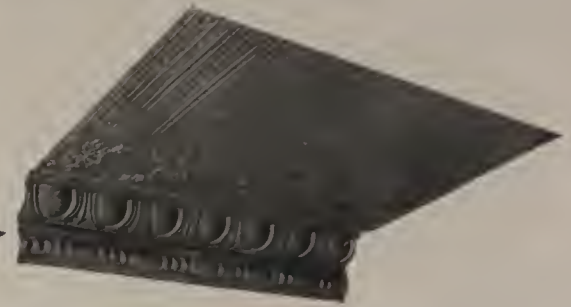


Girth, $11\frac{1}{2}$ inches. Projection, 4 inches. Drop, $6\frac{1}{2}$ inches.
Without Top Mould. Top Mould, 2 inches.

Coves supplied with Bottom Mould in one piece, Top Mould
separate or attached to the filler.

47

423



Foot Mould, Cove, Border and Styling. Girth, 27 inches.
Projection, $22\frac{1}{2}$ inches. Drop on wall, 5 inches.

424



Foot Mould, Cove, Border and Styling. Girth, 28 inches.
Projection, 22 inches. Drop on Wall, 8 inches.

425



Foot Mould, Cove, Border and Styling. Girth, $28\frac{1}{4}$ inches.
Projection, 19 inches. Drop on wall, 10 inches.

Embossed Covens (with separate Top and Bottom Mouldings)

15



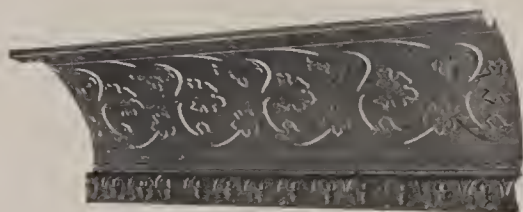
ROCOCO COVE WITHOUT PILASTER. Girth, $18\frac{1}{2}$ inches. Projection, 11 inches. Drop, 13 inches. Length, 36 inches. Without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $3\frac{1}{8}$ inches.

235



EMPIRE Egg and Dart Cove and Frieze. $3 \times 9\frac{1}{2}$ inches. Girth, 12 inches. Projection, 3 inches. Drop, $9\frac{1}{2}$ inches.

234



Cove. Girth, $11\frac{1}{2}$ inches. Projection, 6 inches. Drop, 7 inches, without Top and Bottom Moulds. Top Mould, $1\frac{3}{4}$ inches, Bottom Mould, 2 inches.

248



LOUIS XVI COVE. Girth, $13\frac{1}{2}$ inches without Top and Bottom Moulding; these can be omitted or changed to any other style shown. Projection, 7 inches. Drop, 8 inches without Top or Bottom Mould. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, 3 inches.

243



ROCOCO COVE WITH PILASTER. Projection, 11 inches. Drop, 13 inches. Length, 48 inches. Girth, $18\frac{1}{2}$ inches without Top or Bottom Mould with Pilaster omitted, 36 inches long. Top Mould, $3\frac{1}{4}$ inches. Bottom Mould, $4\frac{1}{4}$ inches.

112



Girth, without Moulds, 14 inches. Projection, 8 inches. Drop, 9 inches. Girth, without Moulds, $9\frac{1}{2}$ inches. Projection, 5 inches. Drop, 6 inches. Top Mould, $1\frac{3}{4}$ inches. Bottom Mould, $3\frac{1}{4}$ inches.

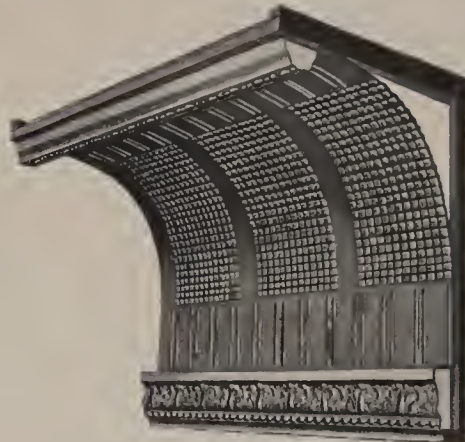
Embossed Coves, Top and Bottom Mouldings Separate

246



FRENCH RENAISSANCE. Projection, 11 inches. Drop, 13 inches.
Girth, 19¼ inches, without Top and Bottom Moulds.
Top Moulds, 2½ inches. Bottom Moulds, 4¼ inches.

254



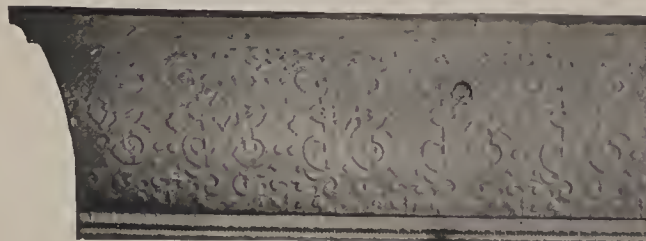
Moorish Quilted Fret Paneled Cove.
Drop, 22 inches; projection, 17 inches.

239



GOthic COVE. Girth, 23 inches. Projection, 14 inches. Drop, 15 inches,
without Top and Bottom Moulds. Top Mould, 2½ inches.
Bottom Mould, 3¾ inches.

III



ELIZABETHAN COVE.
With Borders, Girth, 28½ inches. Projection, 18 inches. Drop, 19 inches.
Without Borders, Girth, 22 inches. Projection, 14 inches. Drop, 15 inches.
Top Mould, 3½ inches. Bottom Mould, 4½ to 5 inches.

238



GOthic COVE. Girth, without Moulds, 15 inches.
Projection, 8 inches. Drop, 10 inches. Top Mould, 2¼ inches.
Bottom Mould, 3¼ inches.

241



ROCOCO COVE. Projection, 13 inches. Drop, 14 inches. Girth, 20½ inches,
without moulds. Top Mould, 2½ inches. Bottom Mould, 4¼ inches.

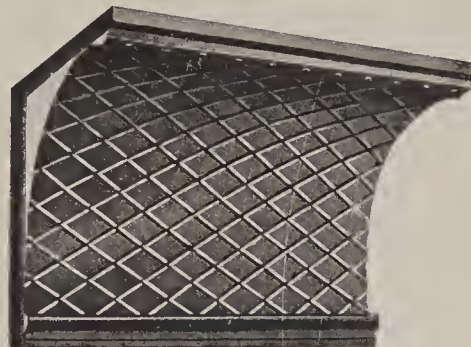
Embossed Coves, Top and Bottom Mouldings Separate

245



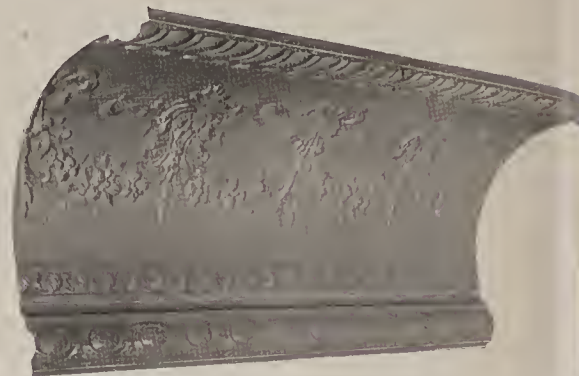
Cove. Girth, $17\frac{1}{2}$ inches. Projection, 10 inches. Drop, 11 inches, without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $3\frac{1}{4}$ inches

244



ROMAN COVE. Girth, 25 inches. Projection, 16 inches. Drop, 17 inches, without Top or Bottom Moulds.

541



Cove Girth, 2 inches. Projection, 13 inches. Drop, 16 inches. Without Top or Bottom Mould. Top Mould, $3\frac{1}{2}$ inches. Bottom Mould, $3\frac{1}{4}$ inches.

508



Cove. Projection, $13\frac{1}{2}$ inches. Drop, 15 inches. Girth, 22 inches, without Top or Bottom Moulds. Top Mould, 6 inches. Bottom Mould, 6 inches

242



GERMAN RENAISSANCE COVE. Girth, $16\frac{1}{2}$ inches. Projection, 10 inches. Drop, 11 inches Without Top and Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches. Bottom Mould, $2\frac{1}{4}$ inches.

240

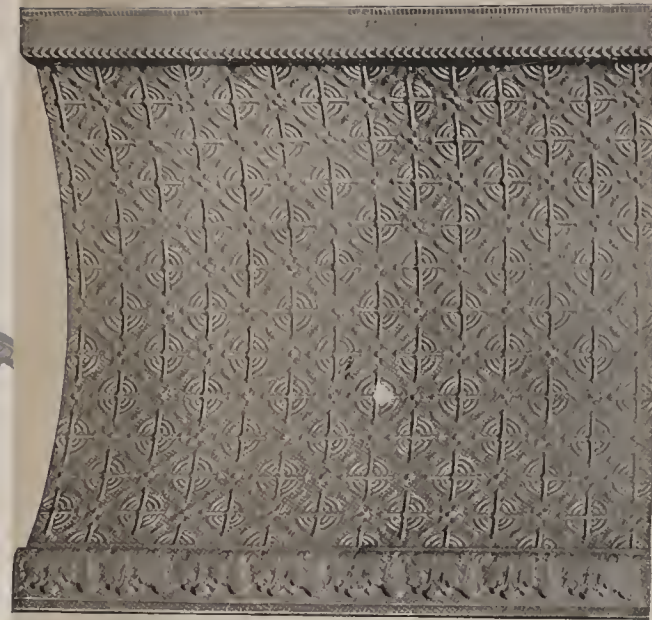


ENGLISH HELMET COVE. Projection, 12 inches. Drop, 16 inches. Girth, $21\frac{1}{4}$ inches, without Top or Bottom Moulds. Top Mould, $2\frac{1}{4}$ inches wide. Bottom Mould, $4\frac{1}{4}$ inches wide

106

256

250



Girth, without Moulds, 7 inches. Projection, 4 inches. Drop, 5 inches.
 Girth, without Moulds, 14 inches. Projection, 8 inches. Drop, 9 inches.
 Girth, without Moulds, 21 inches. Projection, 13 inches. Drop, 14 inches.
 Girth, without Moulds, 28 inches. Projection, 18 inches. Drop, 18 inches.
 Top Mould, 2 3/4 inches. Bottom Mould, 4 1/4 inches.

107

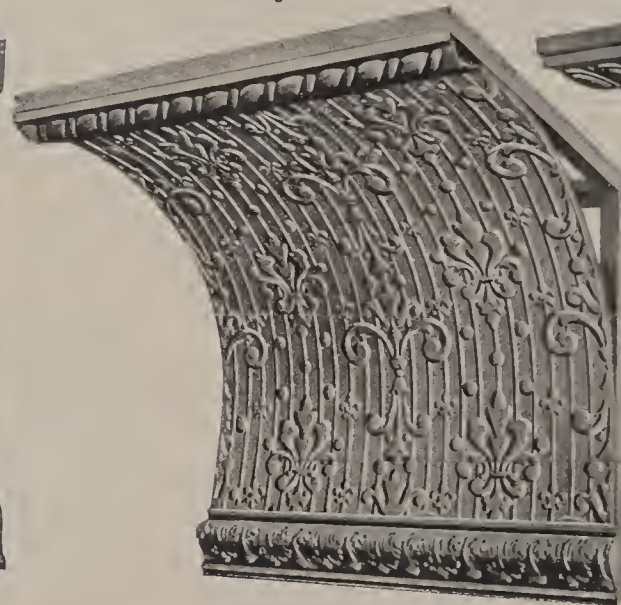


Girth, without Moulds, 28 inches. Projection, 18 inches. Drop, 18 inches.
 Girth, without Moulds, 19 inches. Projection, 12 inches. Drop, 12 inches.
 Top Mould, 2 3/4 inches. Bottom Mould, 4 1/4 inches.



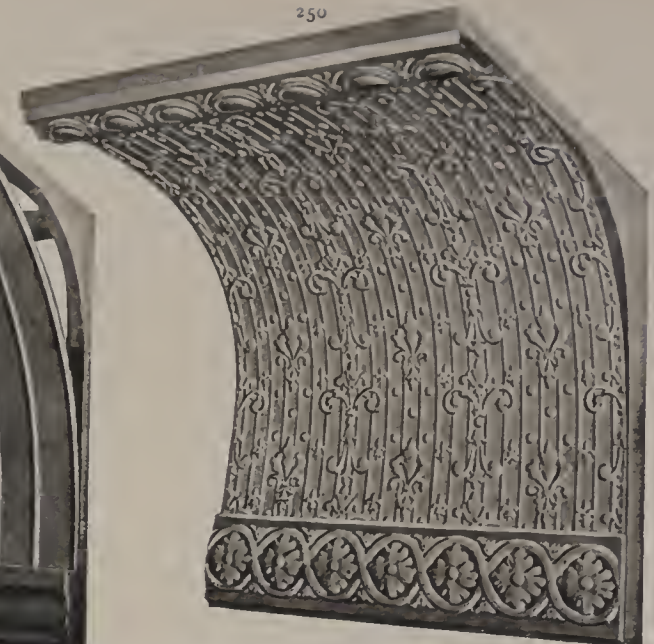
IMPERIAL COVE. Girth, from 12 to 48 inches. Mouldings Top and Bottom can be changed to any style we manufacture. Top Mould, 6 inches. Bottom Mould, 6 inches.

251



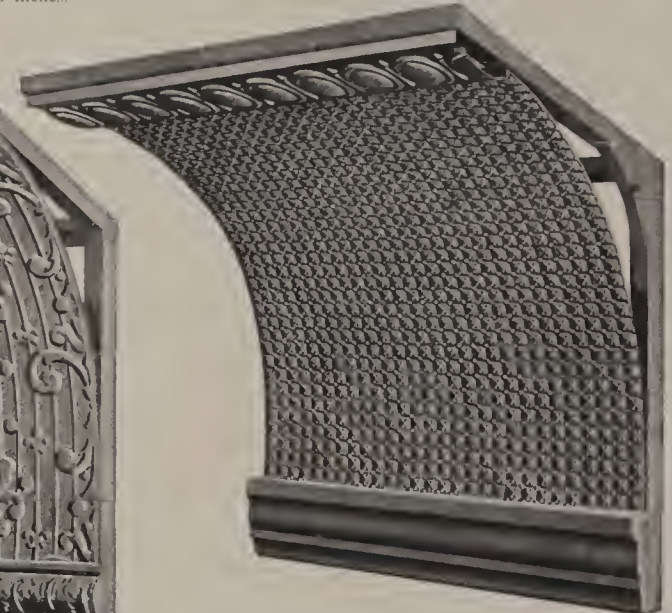
FLEUR DE LIS, No. 1. Cove. Girth, 12 to 120 inches.
 Top Mould, 3 1/2 inches. Bottom Mould, 4 1/4 inches.

51



FLEUR DE LIS, No. 2. Girth, 12 to 120 inches.
 Top Mould, 3 3/4 inches. Bottom Mould, 6 inches.

252



MOORISH QUILTED COVE. Girth, 12 to 120 inches.
 Top Mould, 6 inches. Bottom Mould, 6 inches.

Zinc or Copper Brackets

2745



Projection, 13 inches.
Depth, 7 inches.
Face, 8 inches.

2138



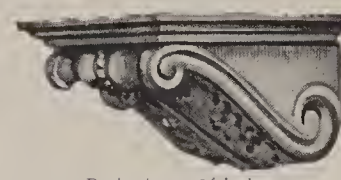
Projection, 13 inches.
Depth, 13 1/4 inches.
Face, 9 inches.

2147



Projection, 15 inches.
Depth, 9 1/4 inches.
Face, 6 3/4 inches.

2594



Projection, 11 1/2 inches.
Face, 6 inches.
Depth, 6 inches.

2574



Projection, 15 1/2 inches.
Face, 7 1/2 inches.
Depth, 6 inches.

2580



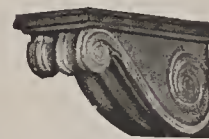
Projection, 9 inches.
Height, 5 inches.
Face, 6 inches.

2137



Projection, 17 inches.
Depth, 9 inches.
Face, 6 3/4 inches.

2139



Projection, 14 inches.
Depth, 7 1/2 inches.
Face, 5 inches.

2587



Projection, 11 1/2 inches.
Face, 5 1/2 inches.
Depth, 4 3/4 inches.

2748



Projection, 15 inches.
Depth, 10 inches.
Face, 9 inches.

2747



Projection, 9 inches.
Depth, 6 1/2 inches.
Face, 3 inches.

2122



Projection, 9 3/4 inches.
Depth, 6 inches.
Face, 4 1/2 inches.

2573



Projection, 10 1/2 inches.
Face, 6 inches.
Depth, 6 inches.

2190



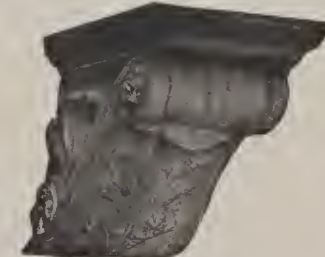
Projection, 11 3/4 inches.
Depth, 5 3/4 inches.
Face, 3 1/2 inches.
Also Projection, 9 inches.
Depth, 4 3/4 inches.
Face, 3 inches.

2750



Projection, 7 1/2 inches.
Depth, 6 inches.
Face, 3 1/2 inches.

2743



Projection, 15 inches.
Depth, 12 inches.
Face, 8 inches.

1174



Projection, 6 inches.
Depth, 6 inches.
Face, 4 1/2 inches.

2052



Projection, 14 1/2 inches.
Depth, 5 1/2 inches.
Face, 6 1/2 inches.

2124



Projection, 3 inches.
Length, 12 inches.
Face, 3 1/4 inches.

2194



Projection, 8 1/2 inches.
Depth, 3 3/8 inches.
Face, 3 3/8 inches.

2152



Projection, 11 1/2 inches.
Depth, 4 3/8 inches.
Face, 4 inches.

Special sizes and designs made from architects' drawings and plans.

ZINC OR COPPER CAPITALS

2781



(Square) Neck, 17½ inches.
Height, 10 inches.

2562



(Round) 3 inches. Height, 7 inches.

993



(Square) Neck, 13½ inches.
Height, 15 inches.

2796



(Square) Height, 15 inches.
Neck, 10 inches. Projection, 15 inches.



2951

2952

2954

2951 (Square) Neck, 7 in. Height, 8 in. Abacus, 12 in.
2952 (Square) Neck, 6½ in. Height, 10 in. Abacus, 12 in.
2953 (Round) Neck, 4 in. Height, 7½ in. Abacus, 9 in.
2954 (Square) Neck, 8 in. Height, 7½ in. Abacus, 11 in.

2799



(Square) Height, 8 inches.
Neck, 9 inches. Abacus, 12 in.
Also - Neck, 10½ in. Abacus, 14 in.
Height, 8 inches.
Neck, 6¼ inches. Abacus, 9½ inches. Height, 8 inches

2802



(Square and Round).
Height, 6½ inches. Neck, 6½ inches
Projection, 10 inches.

2800



(Round)
Height, 7 inches. Neck, 4 in.
Projection, 7½ inches.

2793



(Round) Height, 15 inches. Neck, 10½ inches.
Projection, 16 inches.

2791



(Square) Height, 16 inches. Neck, 12 inches.
Abacus, 20½ inches. Full Cap.

2653



(Round) Height, 20½ inches. Abacus, 24 inches.
Size of column, 15¾ inches. Full Cap. Half Cap.

2189



(Round) Neck, 10½ inches.
Height, 9 inches. Full Cap.
Neck, 6 inches. Height, 5 inches.
Width, 11½ inches.
Also - Neck 12 in. Height, 8 in. Abacus, 17 in.

3178



(Square) Neck, 24 in. Abacus, 36 in. Height, 17 in.
(Square) Neck, 17½ in. Abacus, 28 in. Height, 17 in.

Special sizes and designs made from architects' drawings and plans.

All Sheet Zinc Products

In and Out Zinc Mitres for Coves Specified

376



Out Mitre.

377



In Mitre.

For Cove, Fig. 533.

379



Out Mitre.

380



In Mitre.

For Cove, Fig. 537.

381



Out Mitre.

382



In Mitre.

For Cove, Fig. 545.

Balustrades in Parts or Complete

Head, Base Boxes and Rail extra

2830



Height, 24 inches.
Base, 4 1/2 inches.

2834



Height, 22 in.
Width, 9 in. Base, 8 in.

2527



4 1/2 x 20 1/4 inches

2833



8 x 24 inches.

2832



5 1/2 x 15 3/4 inches.

285



6 1/2 x 18 inches.

2840



Height, 12 inches.
Neck, 3 1/2 inches.

2543



4 1/2 x 16 inches.

2632



3 1/2 x 17 inches.

1127



2 3/4 x 20 1/2 inches.

651



7 5/8 x 24 inches.

3165



12 x 4 inches.

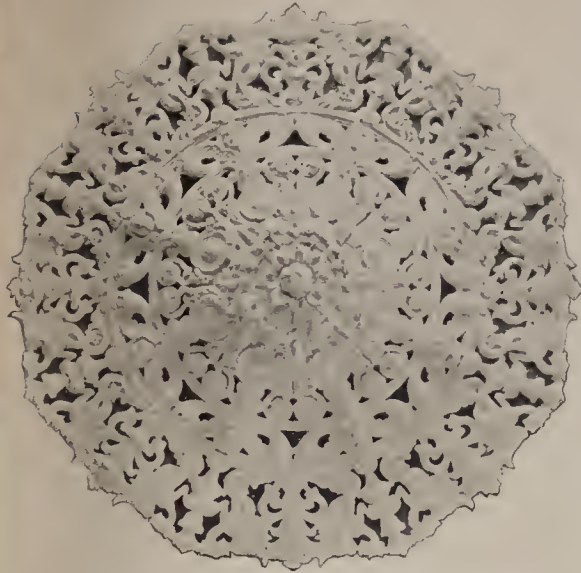
3167



5 1/2 x 15 inches.

ZINC STAMPED ORNAMENTS

3205



Ventilating Center. Diameter, 48 inches. Drop, 15 inches.
Ventilating Center. Diameter, 72 inches. Drop, 15 inches.

271



33 inches diameter.

277



20½ x 38 inches.

284



8½ inches diameter. Bold.

272



16½ inches diameter.

529



263



36 inches diameter.

268



18½ inches diameter.

267



9¼ inches diameter.

529

Circular Ventilating Center, made of Sheet Zinc, in two sizes.
Ventilating Center. Diameter, 48 inches. Drop, 8 to 12 inches.
Ventilating Center. Diameter, 36 inches. Drop, 8 to 12 inches.

282



Electric Drop Bulb. Diameter, 7 inches. Drop, 7½ inches.

261



9 inches diameter.

275



20½ inches diameter.

274



17 inches diameter.

55

273



16 inches diameter.

269



12 x 12 inches.
Used for Center Piece in Deep Plates.

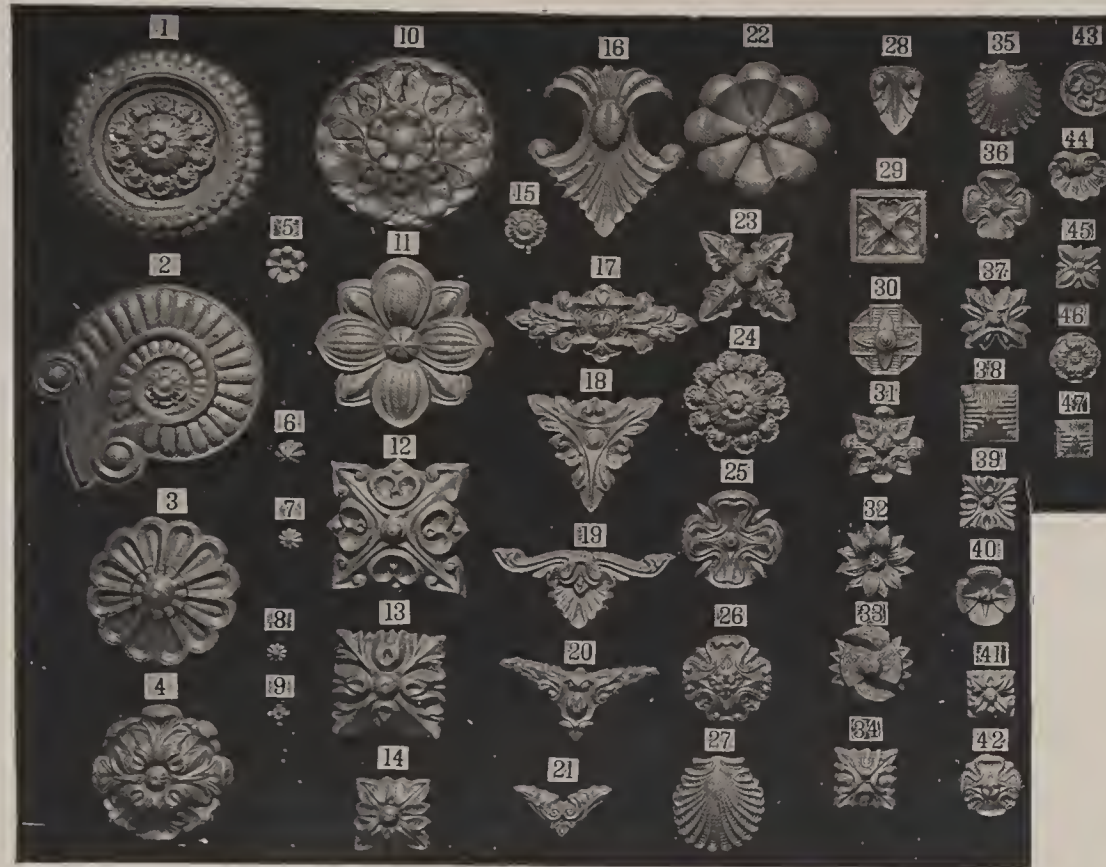
276



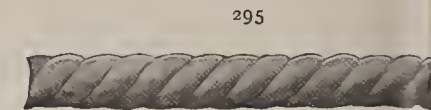
18 x 30 inches.

257

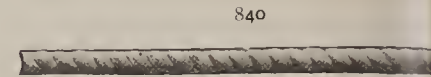
Zinc Rope Moulds



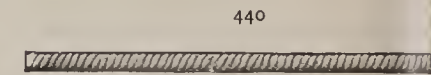
No.	Size. inches.	Price each.	No.	Size. inches.	Price each.	No.	Size. inches.	Price each.	No.	Size. inches.	Price each.
1	11	\$.88	12	7½x7½	\$.38	24	6	\$.20	36	4½x4½	\$.12
2	(in pairs) 11½x12	1.09	13	6 x6	.44	25	6	.20	37	4 x4	.10
3	9½	.44	14	4 x4	.14	26	5	.13	38	3¼x3¼	.10
4	8	.30	15	2½	.05	27	5 x5½	.13	39	3½x3½	.10
5	2½	.05	16	10 x8½	.38	28	5 x2	.13	40	3½ diam.	.10
6	1½	.04	17	10¼x4¼	.38	29	4½x4½	.14	41	2¾x2¾	.09
7	1¼	.04	18	7½x7½	.15	30	4 x4	.12	42	3¼x3¼	.12
8	1½	.04	19	10 x5	.20	31	4½x4½	.12	43	3½ diam.	.12
9	1¼x1¼	.05	20	4½x8½	.15	32	4½x4½	.12	44	3½x3½	.23
10	10	.63	21	3 x5½	.13	33	4½ diam.	.13	45	3 x2	.10
11	9¼x9¼	.63	22	8	.38	34	3½x3½	.10	46	3 diam.	.10
			23	5½x5½	.14	35	4½x4	.13	47	2½x2½	.05



3 inch.



1½ inch.



1 inch.



Zinc and Galvanized Center, Size 57 x 57 inches.

Zinc Center Pieces

444



Zinc Center Pieces. Size, 48 x 48 inches. $2\frac{1}{4}$ inches deep moulds.

258



Size, 15x20 inches.

446



Center, Size 38 x 38 inches, or can be made 38 x 57 inches, by using extension 9 x 38. Fig. 445.

279



Size, $16\frac{3}{8}$ x $16\frac{3}{8}$ inches.

260



13 inches diameter.

283



$5\frac{1}{2}$ inches diameter
Bold

262



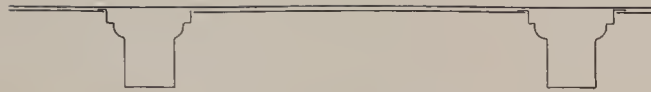
$12\frac{1}{2}$ inches diameter.

445



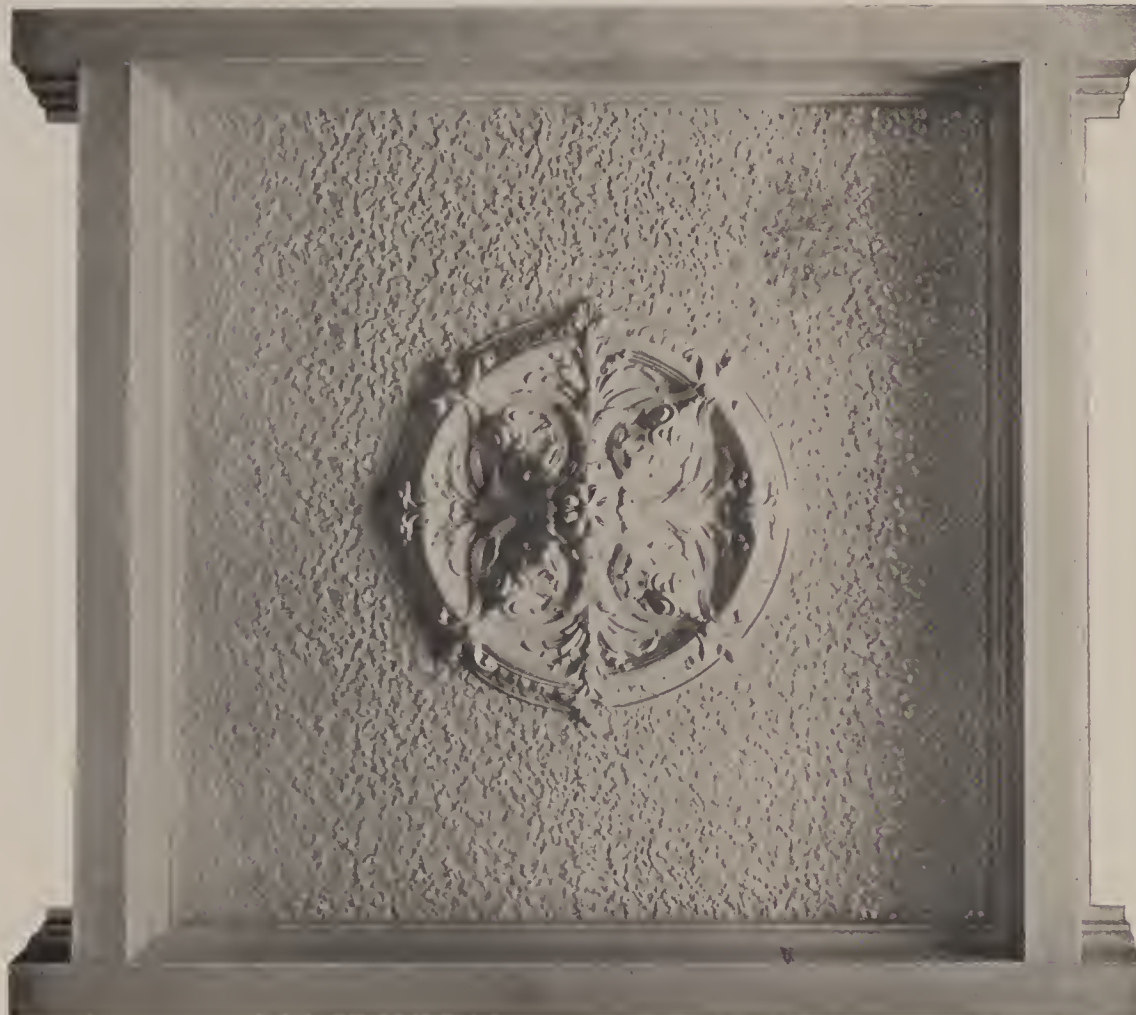
Extension 9x38 to be used to increase Fig. 446 to 38x57 inches.

Zinc Galvanized Centers



Sectional view of Fig. 851.

872



Size, 30x30 or 60x60. Beams varied in size as per specification. Zinc and Galvanized Stock. (Beams of Painted Steel Stock when specified.)

862



Size, 30x30 or 24x24. Center for Stipple Work Zinc and Galvanized Stock.

861



Size, 24x24 or 30x30. Center for Stipple Work. Zinc and Galvanized Stock

850



Center for any plates 18x18 or 18x36 inch shallow or deep Mould Plates. Finished Center, 36x36 inches

732



24x24 inches. 3 1/2 inches deep. Used as Field Plate in ceiling or as a center piece in combination.

Any plates, 12x24 and 12x12, Deep or Beaded, form Centers 48x48 inches.

Painted Steel Centers

60



Moorish Field Work. Size, 48x48 inches mounted. In plates 24x48 inches. Made Ventilating when desired.

868



Center 24x24 inches. Used with any shallow or deep plates with zinc ornament in center like figure 850.

96



Centers. Size, 24 x 24 inches.

Painted Steel Centers

95



Size, 24 x 7 x 24 inches.
Triangular Plates for Center Pieces. Center Plates, 24 x 24 inches, of any style we make, with Heavy Zinc Ornaments, deep or shallow. See Figs. 418, 441, 442 and 443

418



Size, 48 x 48 inches.

This Center can be used with all our Beaded or Moulded Deep Plates.

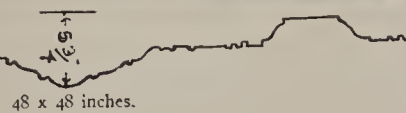
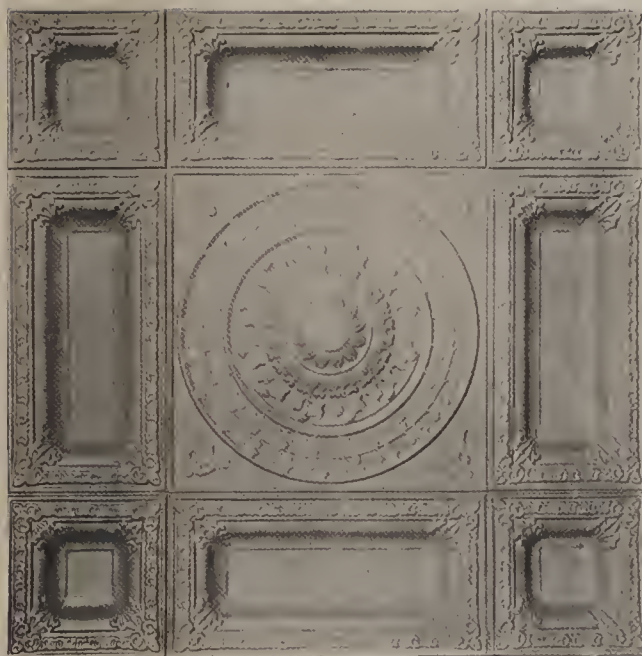
807



Center, 48 x 48 inches.

Painted Steel Centers

808



711



Field Center. Made Ventilating when desired.



Painted Steel Centers with and without Zinc Ornaments

588



588

Size, 48 x 48 inches. Depth, 1½ inches.

589

Size, 48 x 48 inches. Depth, 1½ inches.

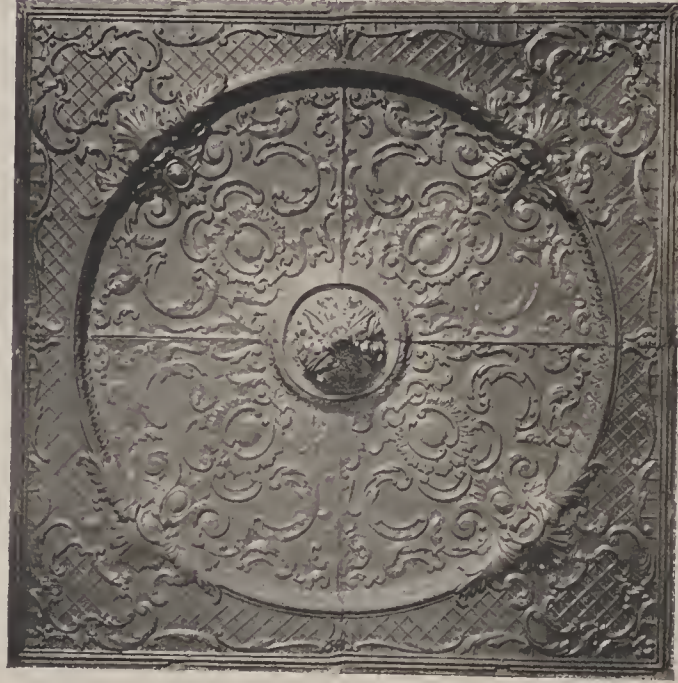


589

Work with all style Plates. Deep, Banded or Continuous Ceiling Plates. Also with Multiple of Plates.

62

575



575

48" x 48"

288



Size, 48 x 48 inches.
Formed from Plates Fig. 76 or 75.

Painted Steel Centers with or without Zinc Ornaments

291



Center, 48 x 48 inches.

443



COLONIAL Center. Size, 24 x 24 inches.

286



Center, 36 x 36 inches.

290



Center, 48 x 48 inches.

441

442



EMPIRE Center. Size, 24 x 24 inches.

820

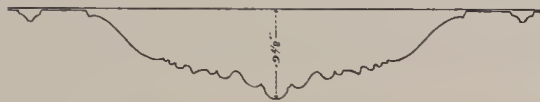


Centers. Size, 24 x 24 inches.



Rococo Center. Size, 24 x 24 inches.

Zinc Ventilating Center Pieces Mounted



301



Size, 54 x 54 inches. Ventilating. Used with all style plates or continuous work. Outside Moulding Changed to Fig. 236. and Corner Blocks, Fig. 216.



300



Ventilating Center. Size, 48 x 48 inches. Center Bulb Drops, 12 inch Diameter, 13 inches.

528

299



Ventilating Center. Size, 24 x 24 inches.

298



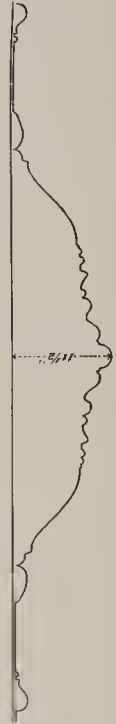
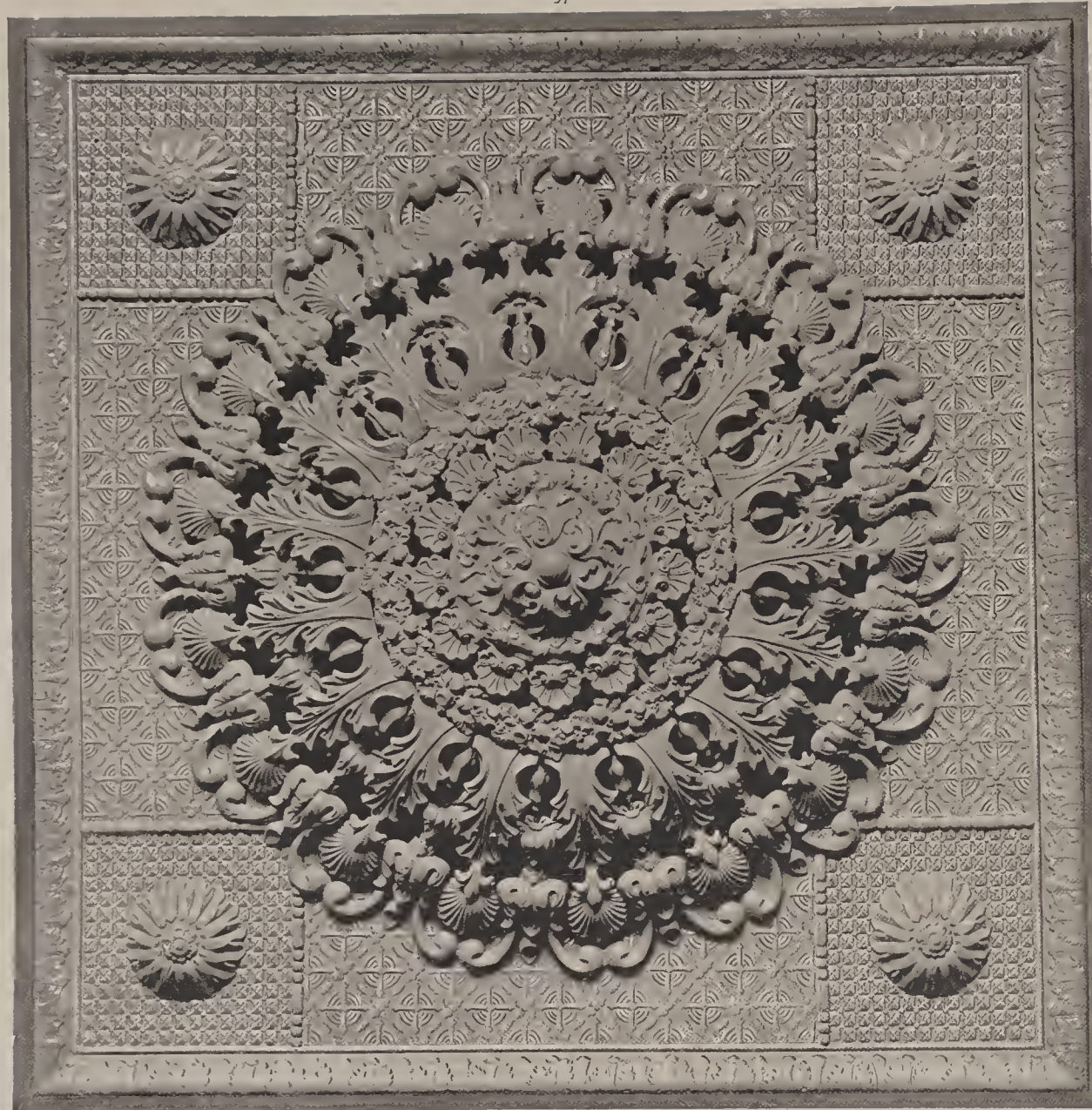
Ventilating Center. Size, 36 x 36 inches.

528



Ventilating Centers, Mounted, 6 inches Mould and Block, 72 x 72, or 96 x 96. Drop, 8 to 14 inches.
Any style outside Mouldings we manufacture can be used

Zinc Mounted Ventilating Center



Size, 72x72 inches.

Outside Moulding changed to any style we manufacture.

Increased to 84 or 96 inches square if desired.

Special for Churches and Large Halls.

Zinc Mounted Ventilating Centers

839



Mounted Ventilating Center.
Three sizes—72x72, 84x84 and 96x96.
Mould, Fig. 194 or any style we manufacture.



Lord's Supper.

Size, 4 feet 1½ in. by 5 feet 3 in.

Bas Relief and Frame. Old Ivory or Oxidized Metal. Frame Onyx or Black Enameled, trimmed with Gold Leaf. Complete. Prices on application.

The Saviour, 10 Years of Age.



Size, 2 feet 9 inches by 3 feet 8 inches.

Complete, Decorated, Old Ivory or Oxidized Metal.
Frames Bronzed or Oxidized.
Prices on application.

Bas Relief Plates and Frames

Complete Decorated in Old Ivory or Oxidized Metal Frame, Ivory, Black or Bronzed. Prices on application.

585

586

587



26½ x 37¼ inches.



MADONNA. 2 feet 9¾ inches by 4 feet 8¾ inches.



26½ x 37¼ inches.

Bas Relief Plates and Frames

OPHELIA.

580



3 x 5 feet.

SPRING.

581



3 x 5 feet.

Complete, Decorated, Old Ivory or Oxidized Metal.
Bronzed or Ivory, Black with Gold or Silver.
Prices on application.

447



Size, 27 x 31 inches.

Wall Decoration, Zinc. Decorated in Old Ivory or
Oxidized Metal, for vestibule ornament in
side panel.
Prices on application.

Bas Relief Plates and Frames

Complete Decorated. Old Ivory or Oxidized Metal. Frame Ivory, Black or Bronzed.
Prices on application.

318

NYMPH.

578



2 feet 6 $\frac{5}{8}$ inches by 4 feet $\frac{1}{2}$ inch.



Height, 29 inches. Projection, 20 inches. Spread of wings, 23 inches.

DIANA.

579



2 feet 6 $\frac{5}{8}$ inches by 4 feet $\frac{1}{2}$ inch.

Bas Relief Plates and Frames

Frame Ivory, Black or Bronzed. Complete Decorated Old Ivory or Oxidized Metal
Prices on application.

SPRING.
583



2 feet 9 inches by 3 feet 8 inches.

117



Height, 51 inches. Width, over arm, 15 inches.
Projection, 8 inches.

FALL.
582



2 feet 9 inches by 3 feet 8 inches.

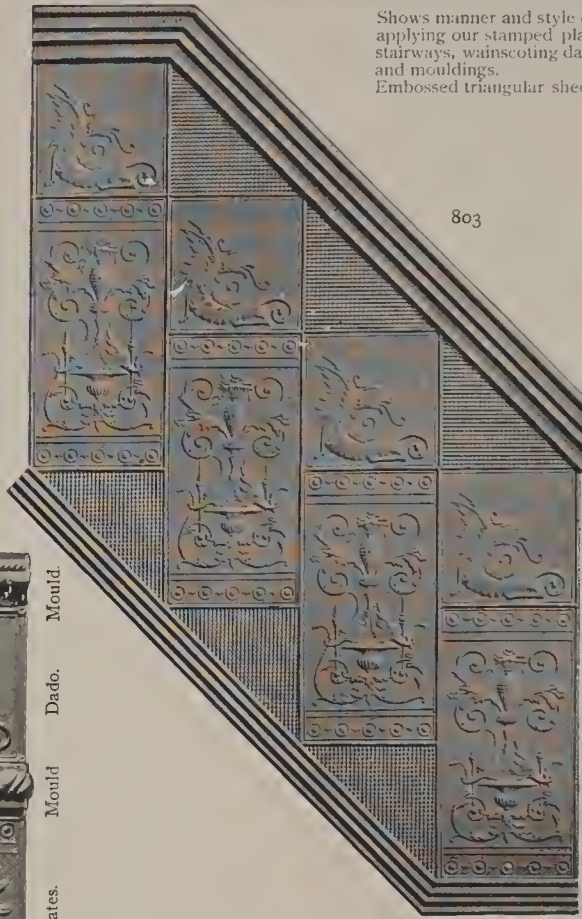
814



334



Wood Base.
Wainscoting Plates.
Mould
Dado.
Mould



803

Shows manner and style of applying our stamped plates stairways, wainscoting dados, and mouldings.
Embossed triangular sheets.

336



Wood Base.
Wainscoting Plates.
Mould
Dado.
Chair Mould

Gothic and Rustic Designs

349



Rustic Bead Siding and Moulds.
Length, 3 to 10 feet. Beads, 2 inches diameter.
13 inch centers.

206



Gothic Beaded Side Wall with stipple centers.
Body sheet 24x96 to 120 inches.
Center of bead 3 inches.

207



Frieze or Cove. Bead 3 inch centers. Width 10 to 18 inches. Length 48 to 120 inches

351



Gothic Ornament. Made only in Zinc.
Height, 12 inches. Length, 22 inches. Depth, 6 inches.

722



Intermediate Plate.

24x48 inches.

720



This plate varies in length from 1 to 4 feet.
Field Plate

24 x 48 inches.

721



24 x 48 inches.

719



24 x 48 inches.

348



Width, 24 inches. Length, 24 inches to 144 inches.

Colonial Ceiling Plate. 1 1/4 inch deep Mould.

Gothic and Rustic Designs

357



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.

360



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.

863



Rustic Wainscoting 4 to 6 feet high. Centers 13 inches, ribs 2 inches diameter.

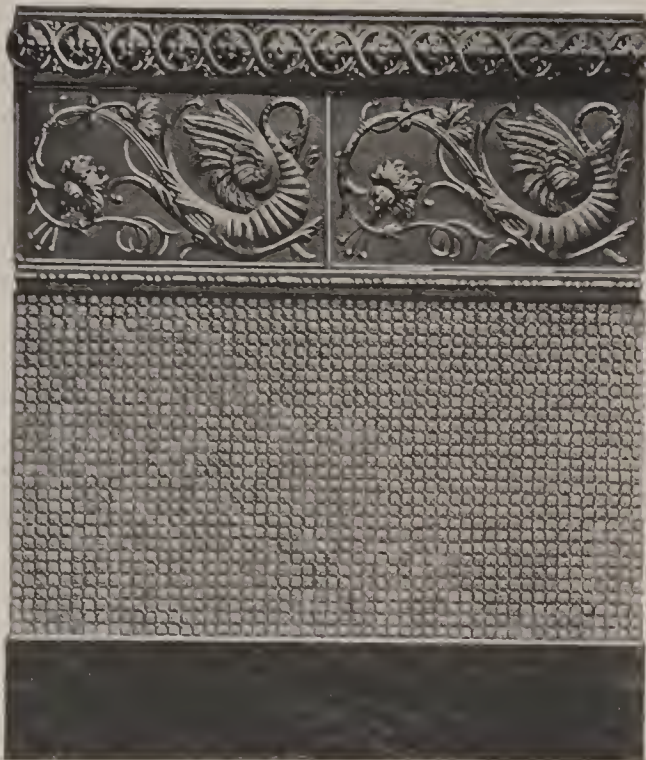
363



Section of Side Wall for High Walls in Churches or Halls.
Section 4 feet high.

Chair Mould. Dado. Mould. Wainscoting Plates. Wood or Metal Base

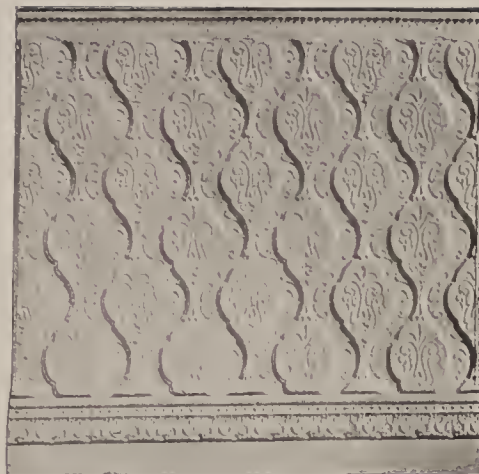
335



813



811



370



Wainscoting. Combination

76

337

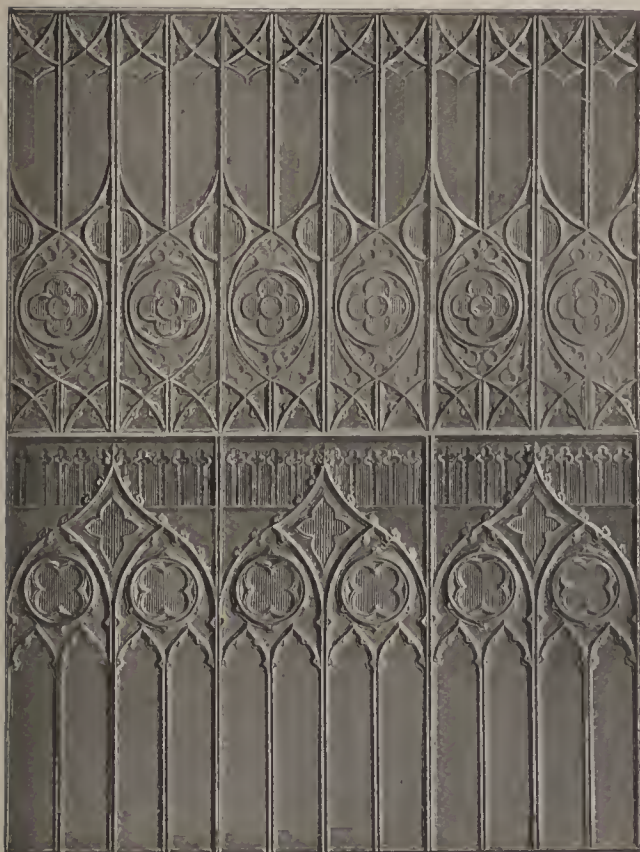
Chair Mould. Dado. Mould. Wainscoting Plates. Wood or Metal Base



844



815

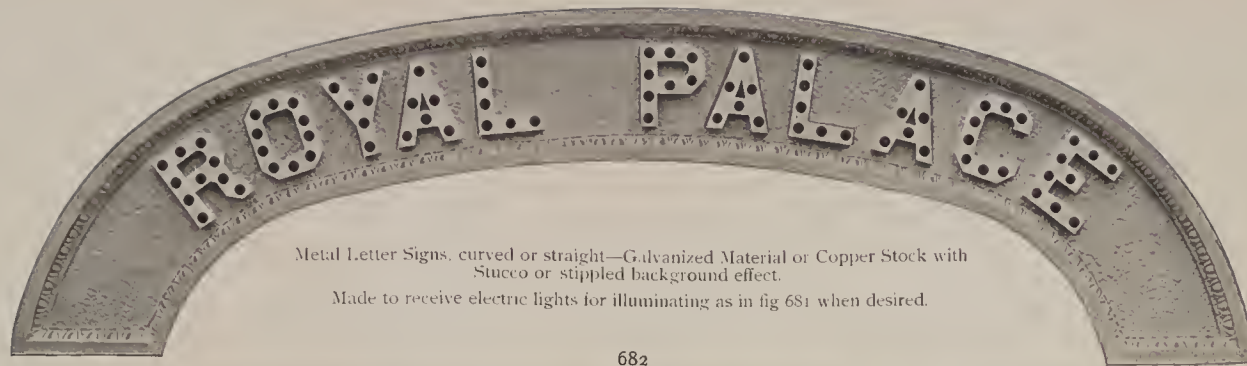


Two sections of Side Wall for High Walls in Churches or Halls. Each section 4 feet long.

819



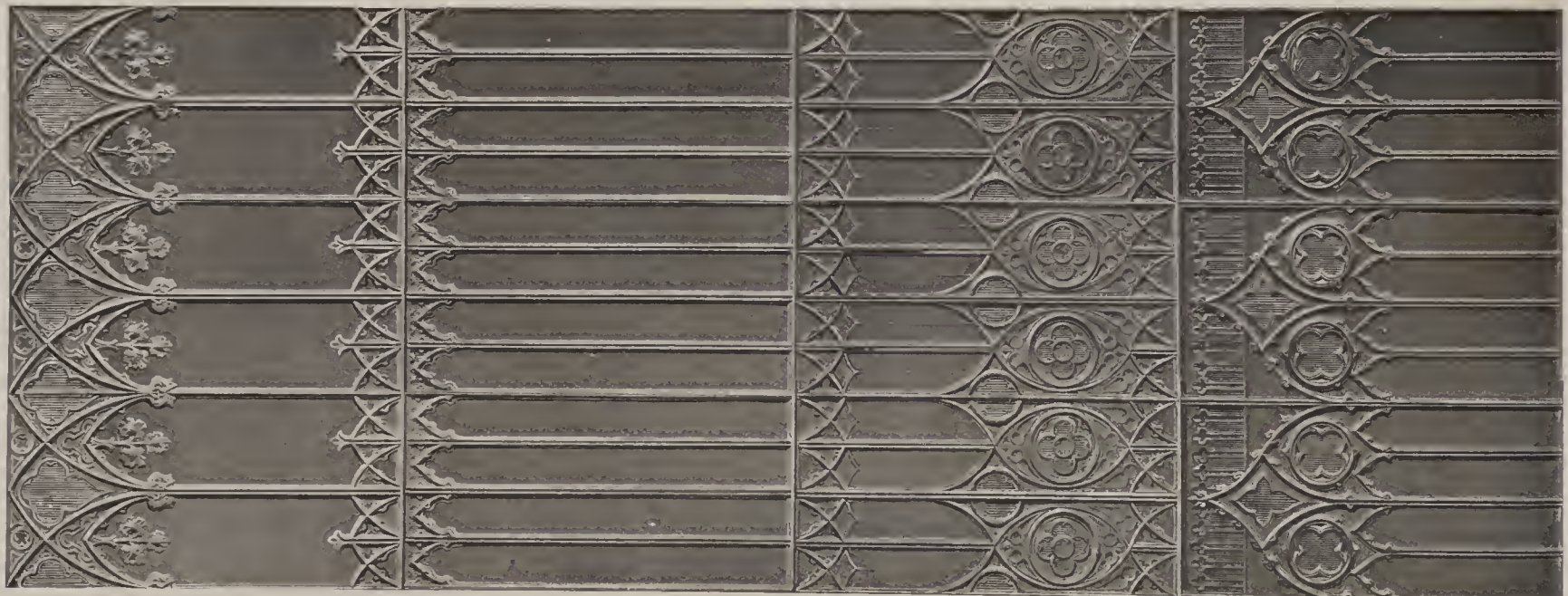
Two sections of Side Wall for High Walls in Churches or Halls. Each section 4 feet long.



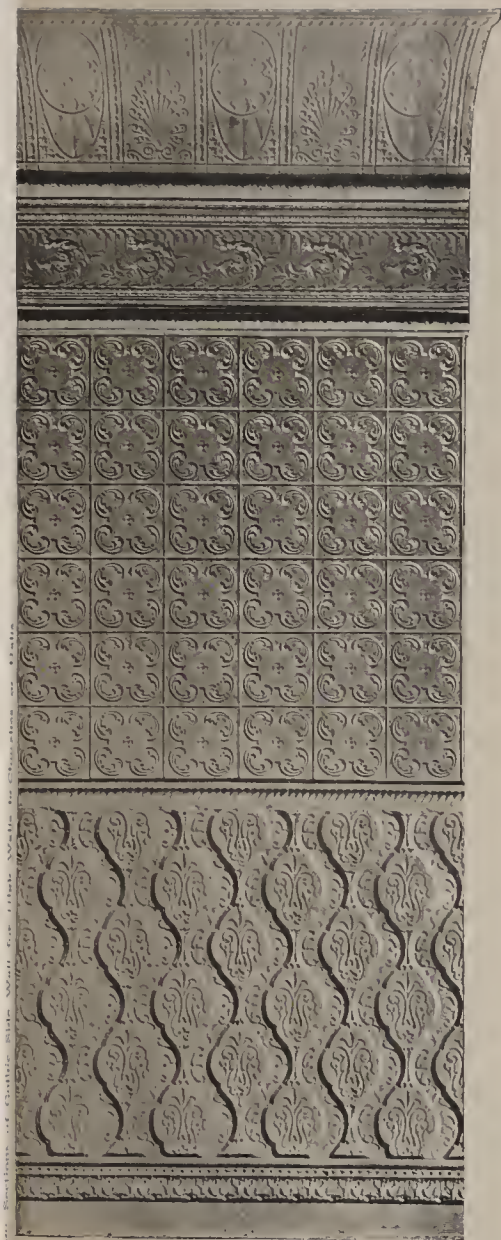
Metal Letter Signs, curved or straight—Galvanized Material or Copper Stock with Stucco or stippled background effect.
Made to receive electric lights for illuminating as in fig 681 when desired.



Gothic Side Wall and Wainscoting



468



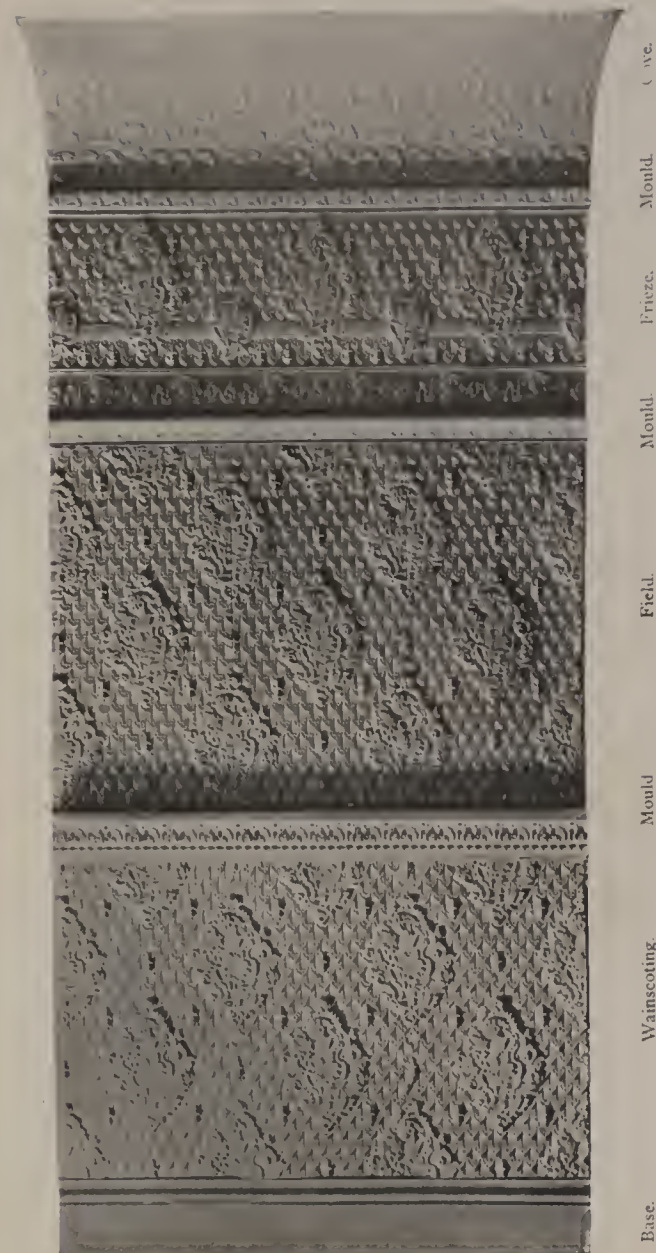
Side Wall Design.

674



Side Wall Design

470

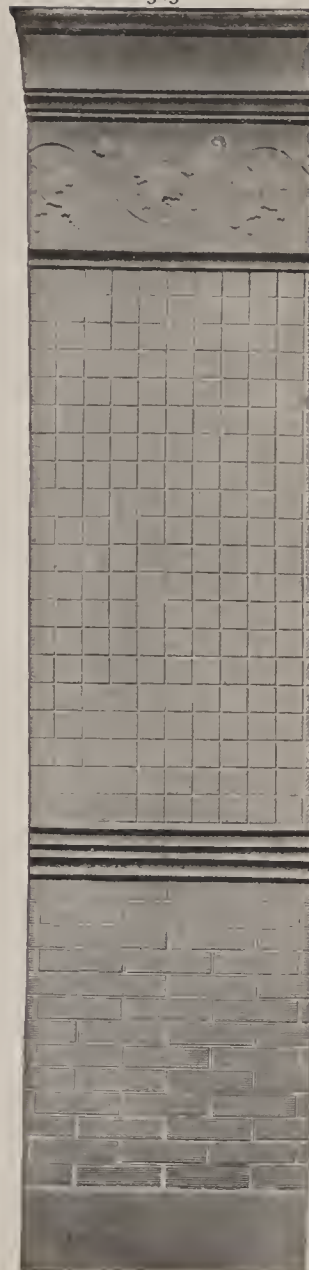


Side Wall Design

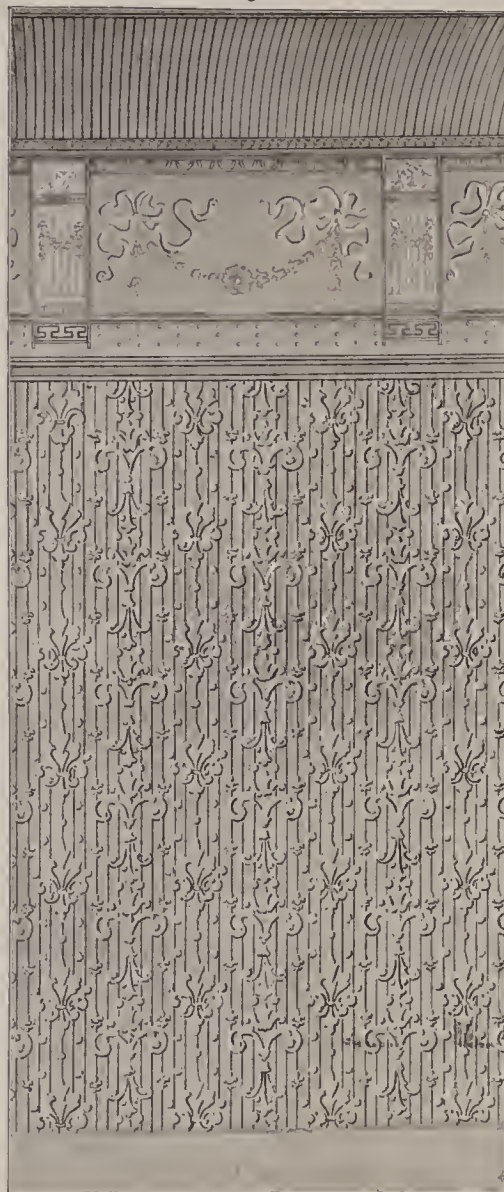
Base. Wainscoting. Mould. Field. Mould. Frieze. Mould. Cove.

Side Wall Designs from Base to Bottom of Cove

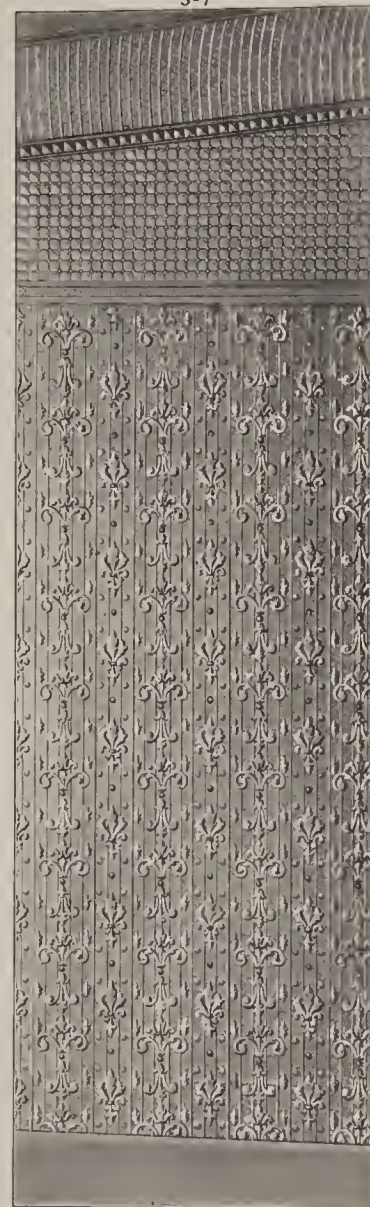
323



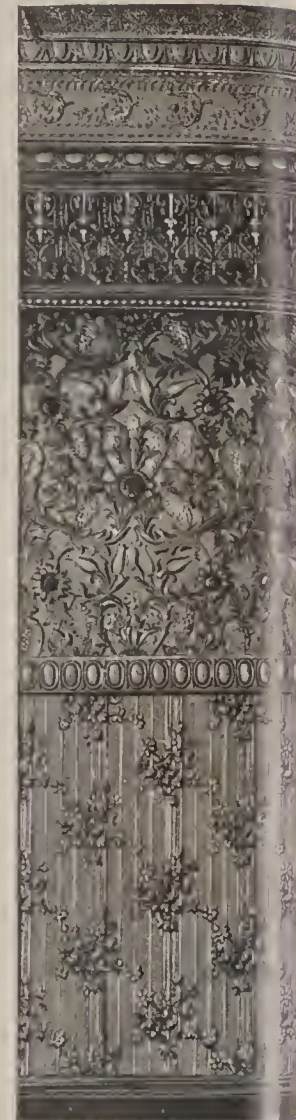
316



317



319



Side Wall Designs from Bottom of Cove to Base

328



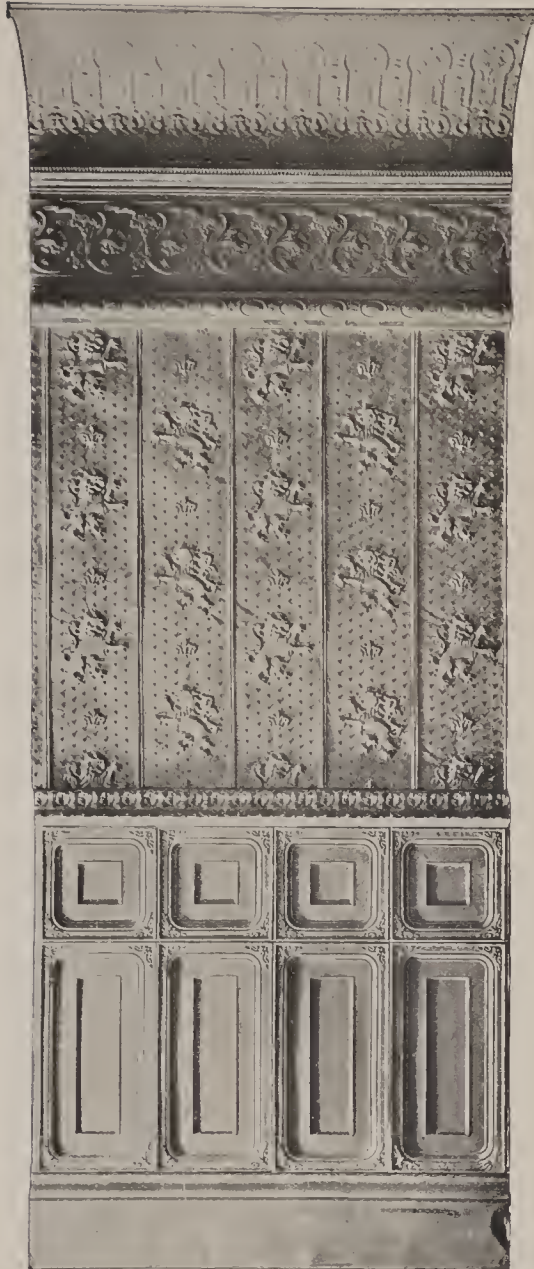
329



331



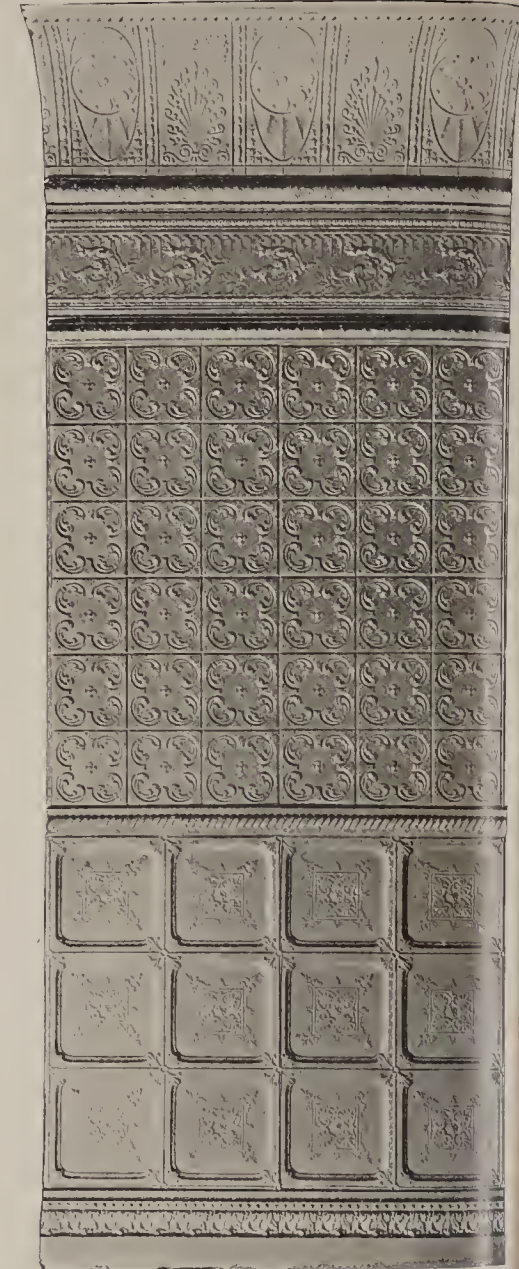
491



492



493



Special Vestibule finish with Panel.

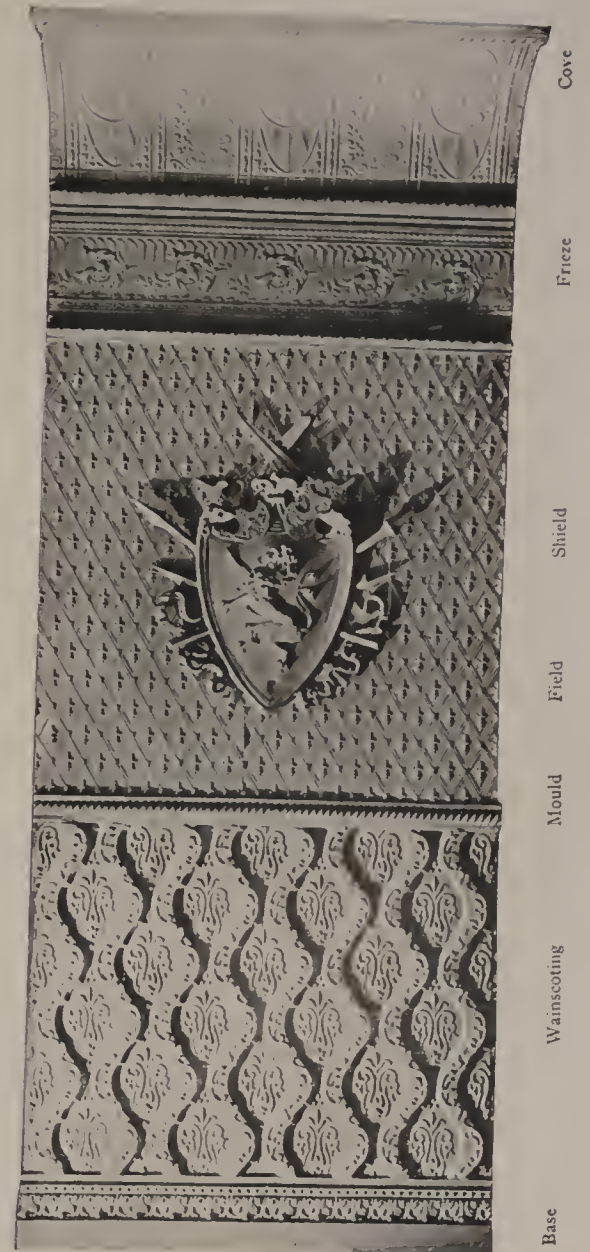
488



489



490



Cove

Frieze

Shield

Field

Mould

Wainscoting

Base

327



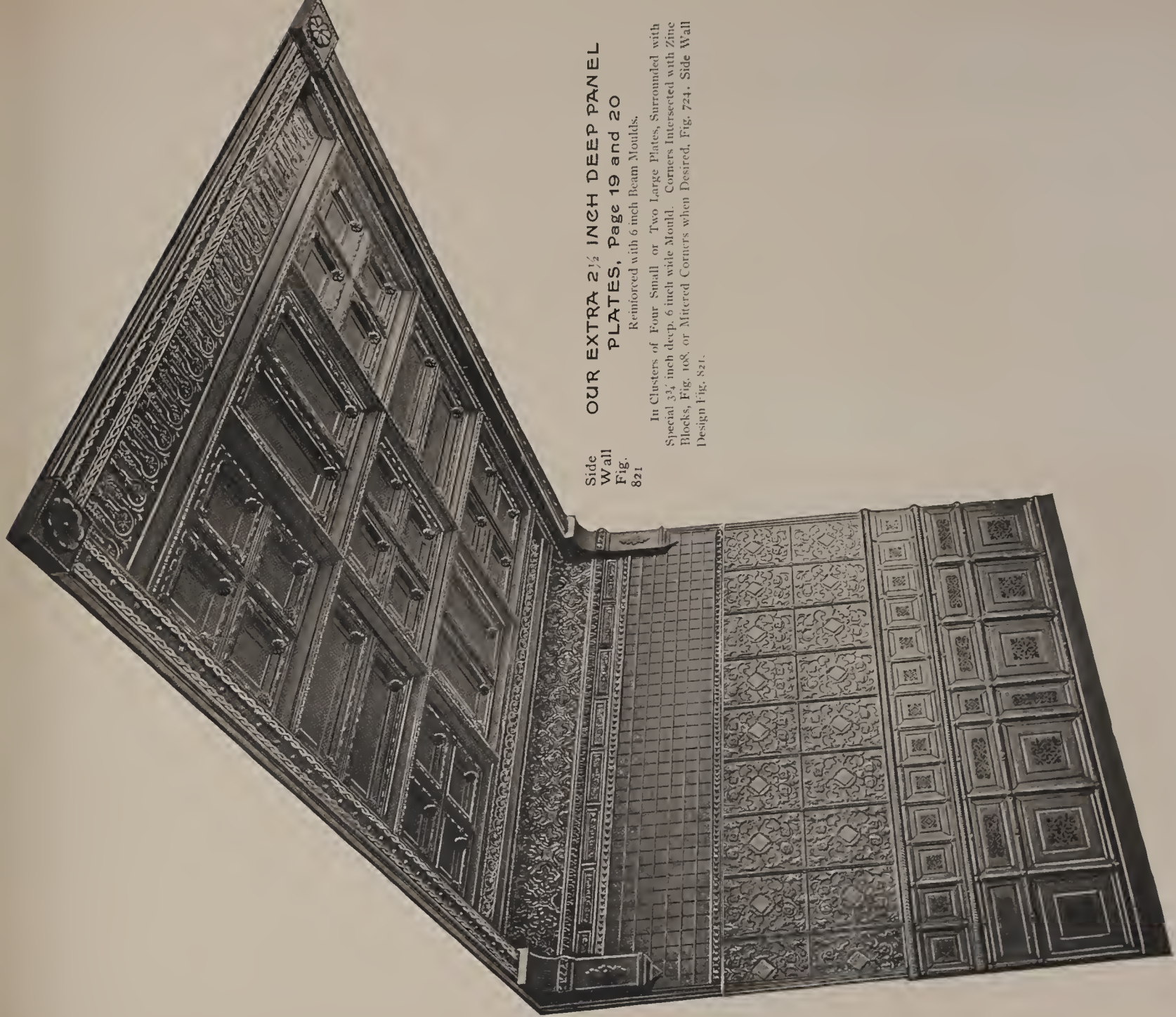
Side Wall, including Cove.

320



SIDE WALL AND WAINSCOTING FINISH

Ceiling Fig. 724



Side
Wall
Fig.
821

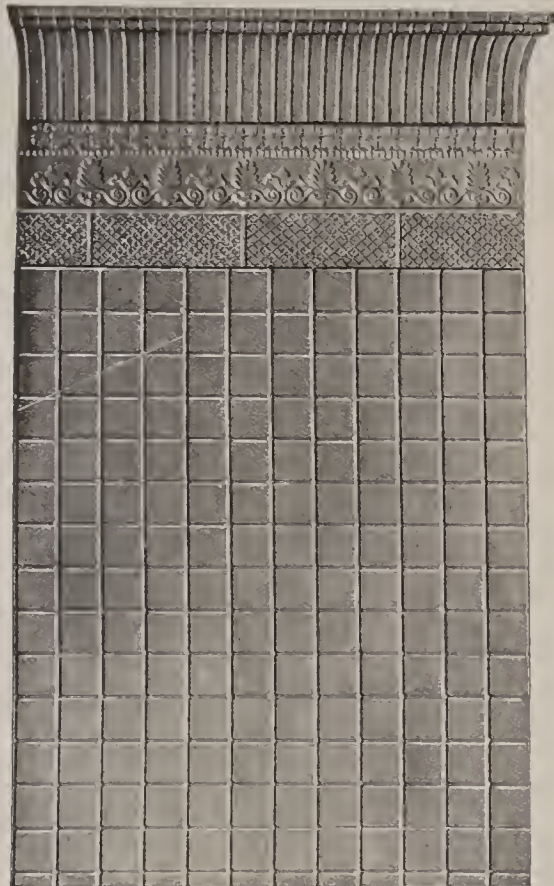
**OUR EXTRA 2½ INCH DEEP PANEL
PLATES, Page 19 and 20**

Reinforced with 6 inch Beam Moulds.

In Clusters of Four Small or Two Large Plates, Surrounded with Special 3¼ inch deep, 6 inch wide Mould. Corners Intersected with Zinc Blocks, Fig. 108, or Mitered Corners when Desired, Fig. 724. Side Wall Design Fig. 821.

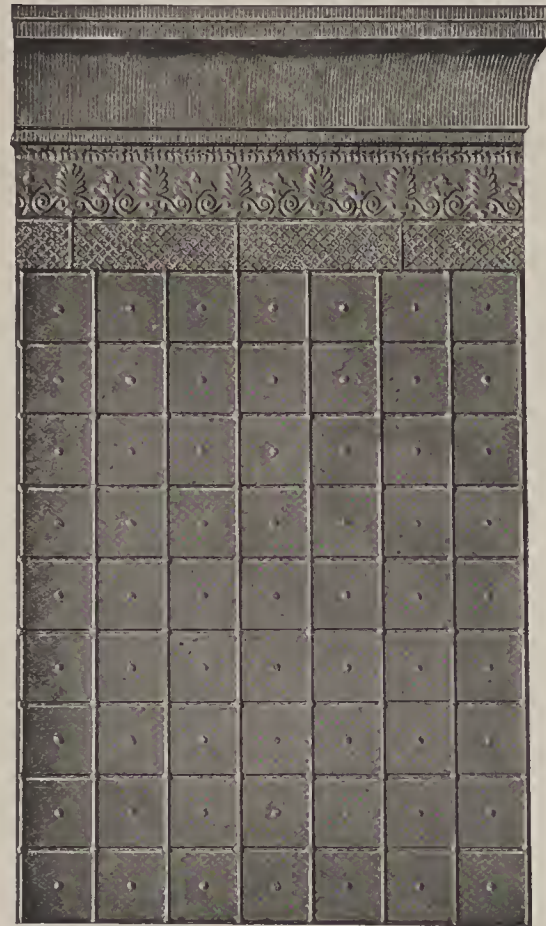
Continuous Steel Ceiling Designs

338



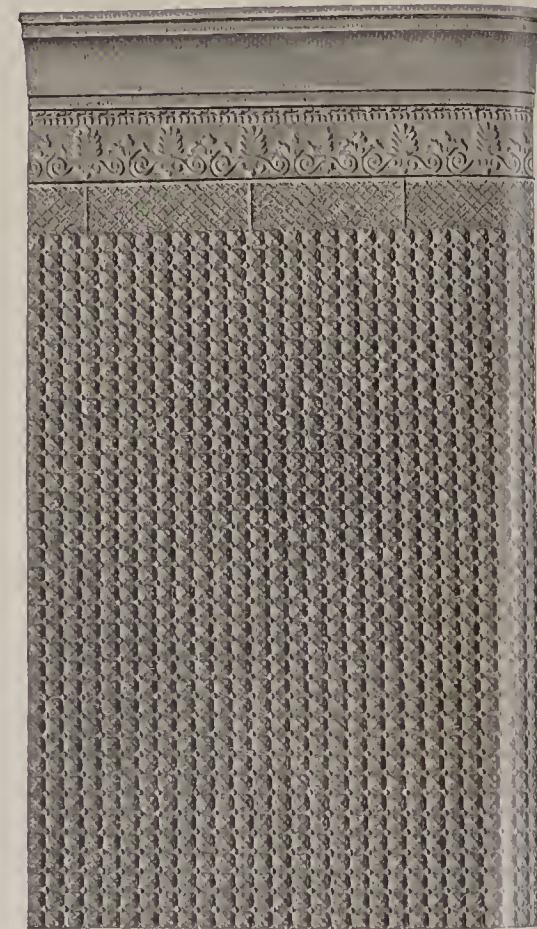
Italian, $2\frac{1}{2}$ inch squares. (Field Sheets), $25\frac{1}{2} \times 98$ inches long.
Styling, Roman Net and Mould. Cove, Imperial, 10 or 15 inch girth.

339



Italian, 4 inch squares. (Field Sheets), $27\frac{1}{4} \times 97$ inches long.
Styling, Roman Net and Mould. Cornice Reeded, 10 inch girth.

340



Moorish Quilted. (Field Sheets), 28×96 inches long.
Styling, Roman and Net Mould. Cornice Reeded, 8 inch girth.

Styling, Coves and Cornice shown in illustrations subject to changes if desired, or can be omitted entirely to reduce cost, using small mould to finish to wall line.

Continuous Steel Ceiling Designs

Without Bottom Mould, or Panel Strip between Filler and Plate.

341

344

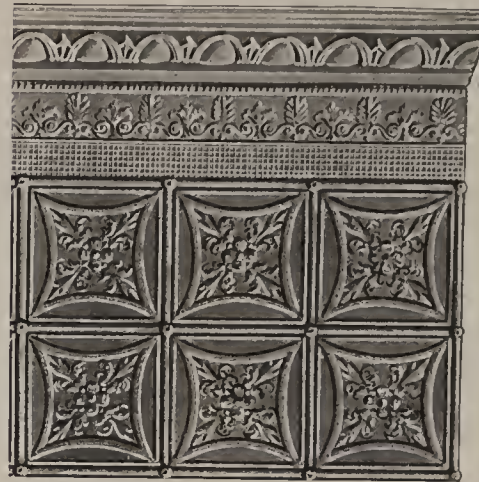
346

Cove.

Styling.

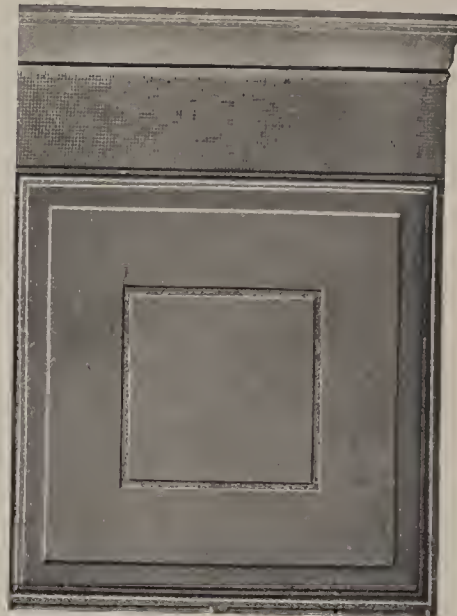
Border.

Field Plates



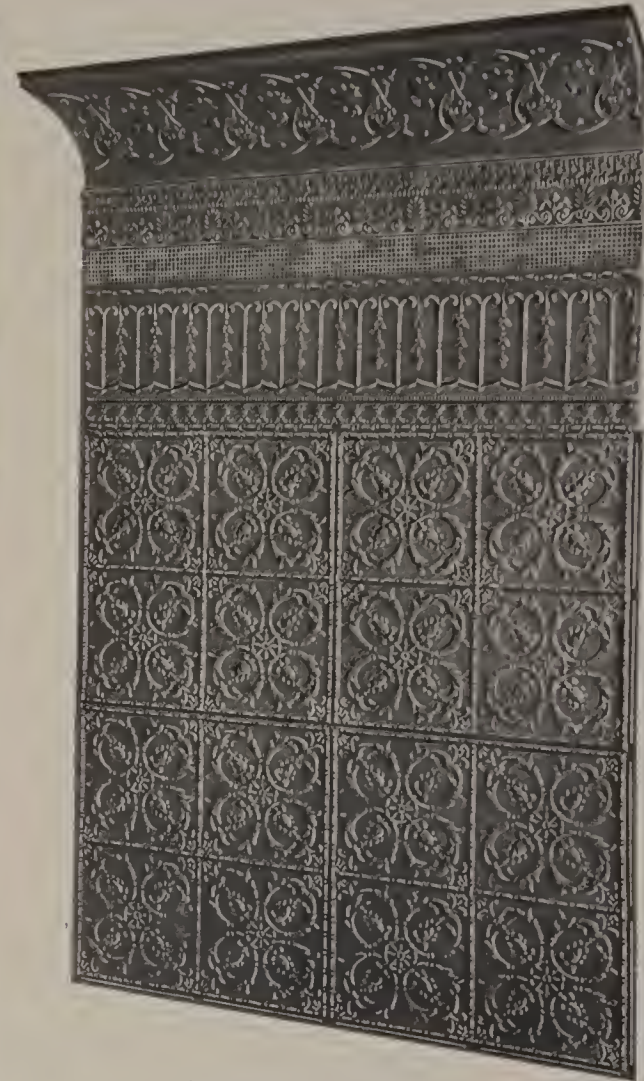
Colonial Diaper, 3-inch Cove and Filler.
Field 27x117 inches

345



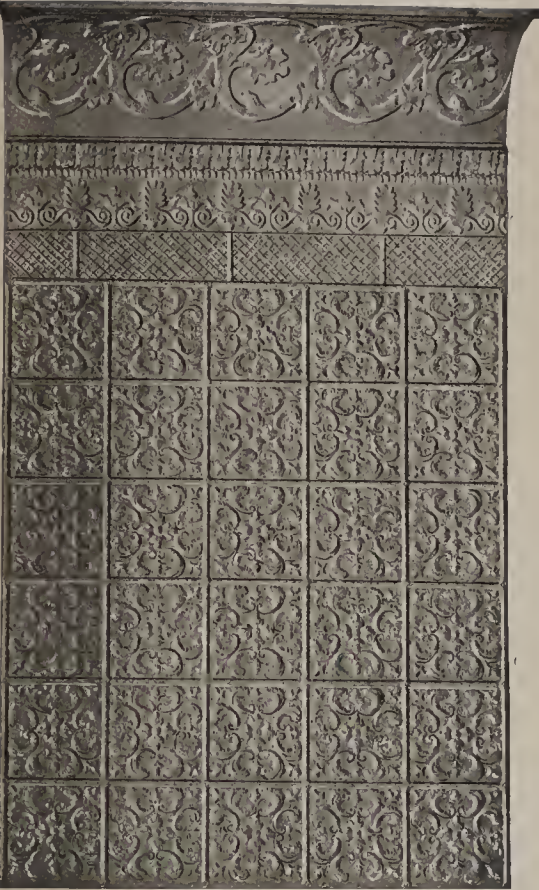
Shows Imperial Panel, 24x96 Filler and 3-inch Cornice.

87



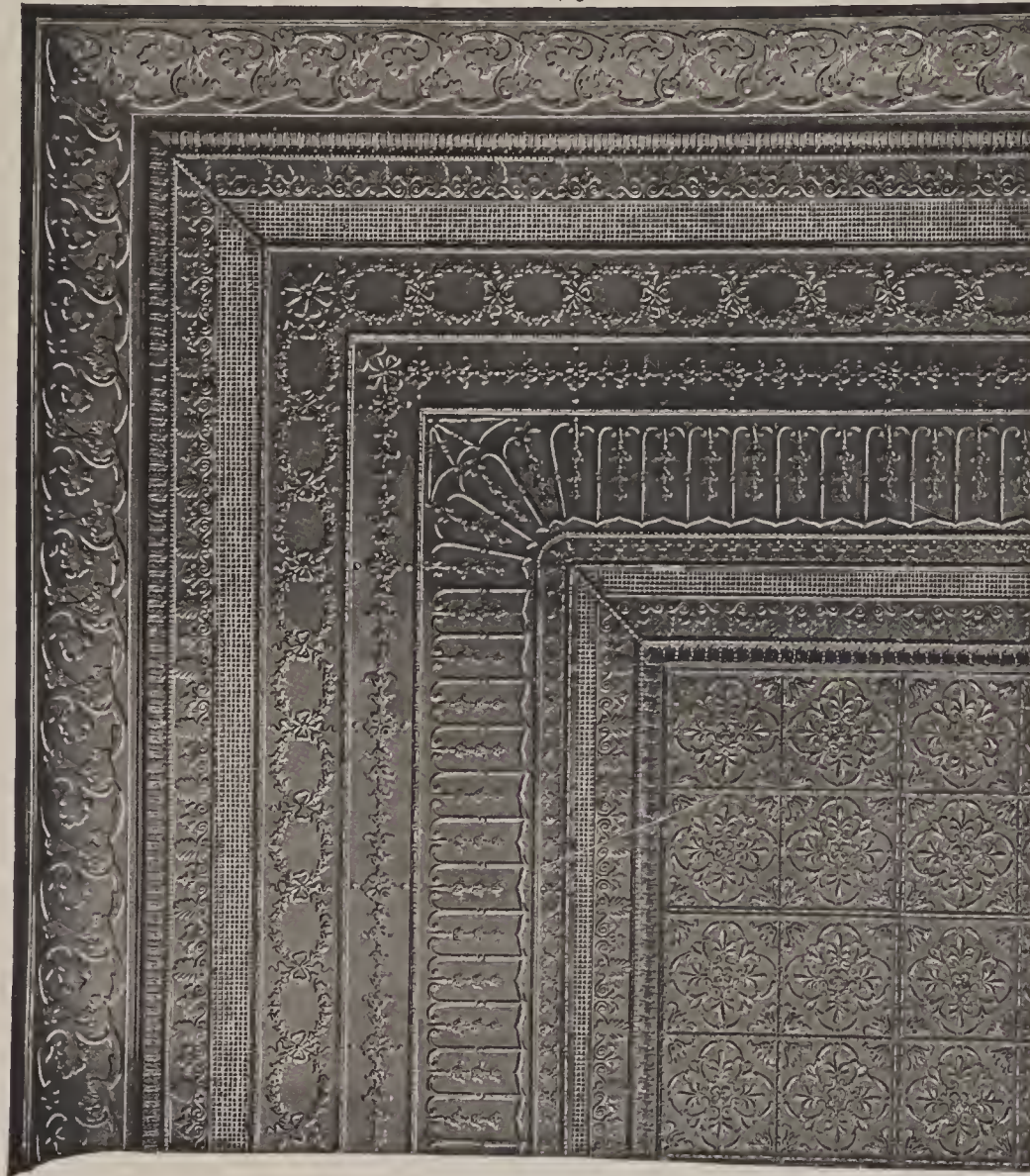
Empire Colonial Continuous Work.
Field Plates, 24x96 inches. Cove and Filler.

Italian Renaissance Fret, (No. 2), 6 inch squares. Field
Sheets, 24x96 inches long. Roman Net and Mould,
Styling German Renaissance Cove, 11 in. girth.



Continuous Sheets and Plate Designs

465



Colonial Ceiling.

Continuous Ceiling Designs

700



Section of Empire and Colonial Styles, Cove No. 234.

Continuous Ceiling Plates and Coves

347



Quarter Section of Continuous Ceiling Plates, with Cove.

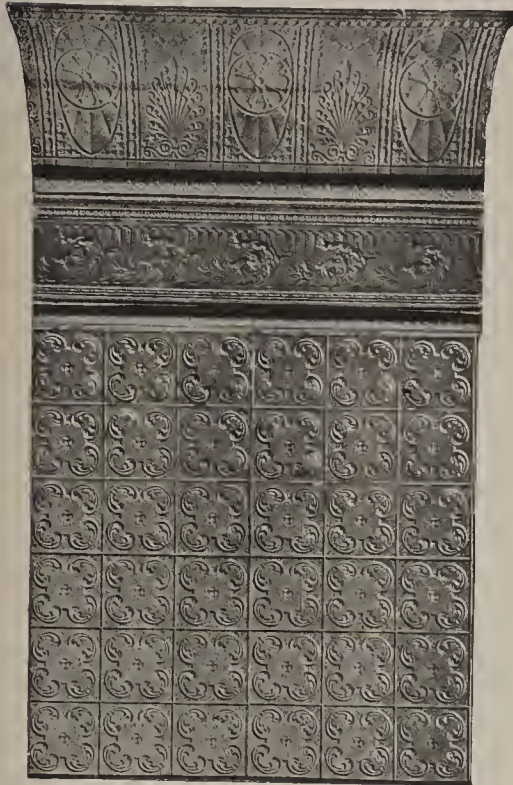
678



Quarter Section of Continuous Ceiling Plates, with Cove.

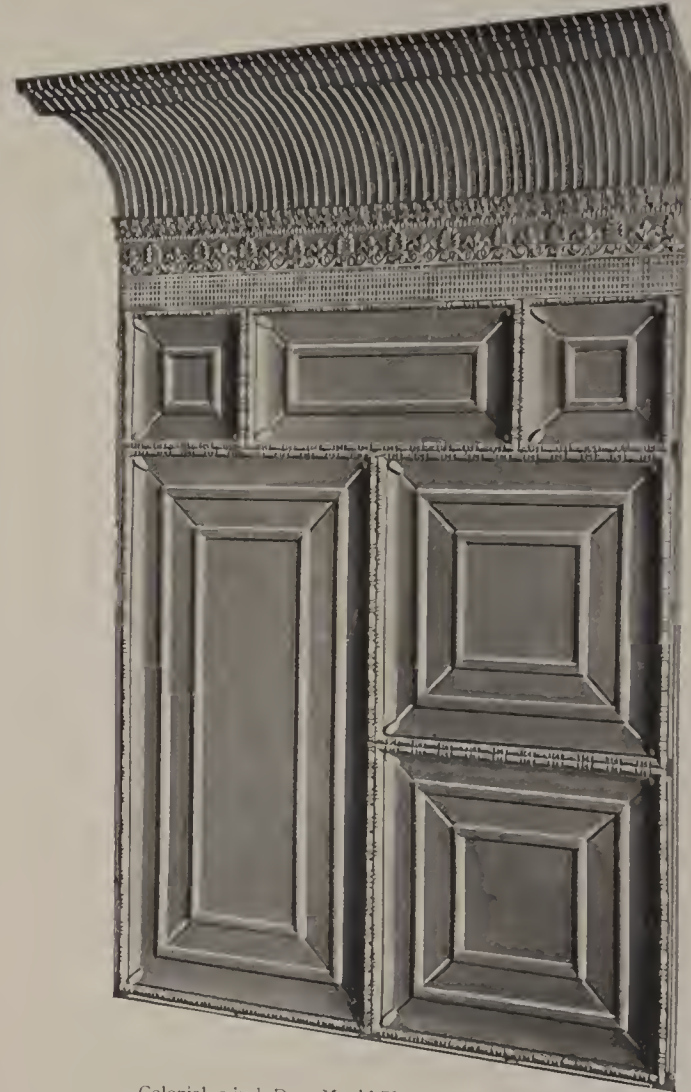
Ceiling Designs with Borders

469



Ceiling, Colonial Style
Field Sheet, 24x96 inches. Blocks, 8 inches.

332



Colonial, 1-inch Deep Mould Plates. Beaded Cove and Filler.

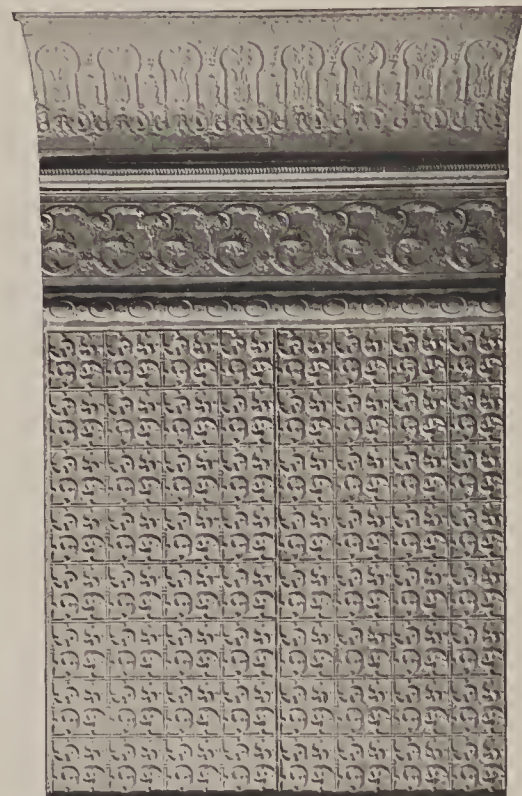
Ceiling Designs with Borders

110



Plates 24x24, 12x24, and 12x12 inches.

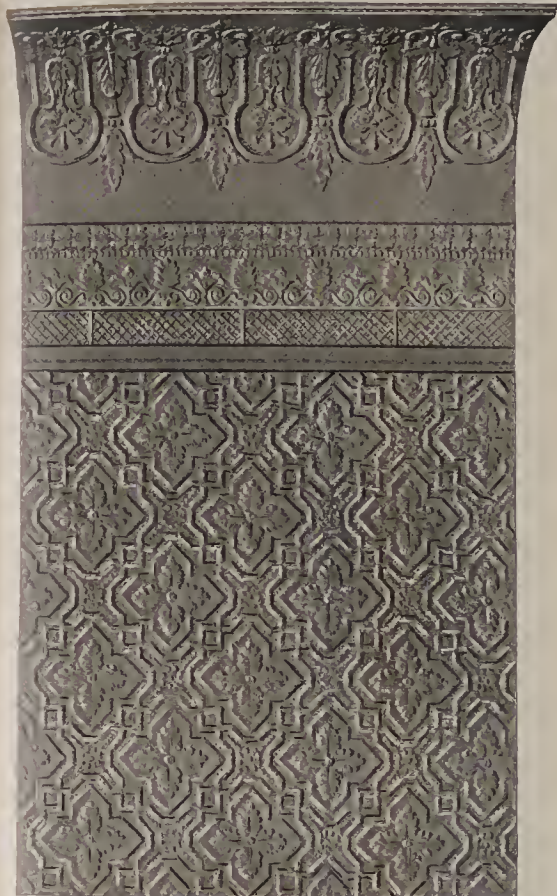
109



Field Sheets, 24x96 inches. Blocks, 6 inches.

Ceiling Designs with Borders

342



Italian Renaissance Fret, (No. 1). Field Sheets, $28\frac{1}{2} \times 96$ inches long. Styling, Roman Net and Mould.
Renaissance Cove, $17\frac{1}{4}$ inch girth.

Styling Border and Coves shown can be changed or omitted as desired.

474



Medium Continuous Ceiling Plates, $\frac{5}{8}$ inch deep. Plates 24×24 or 24×96 .

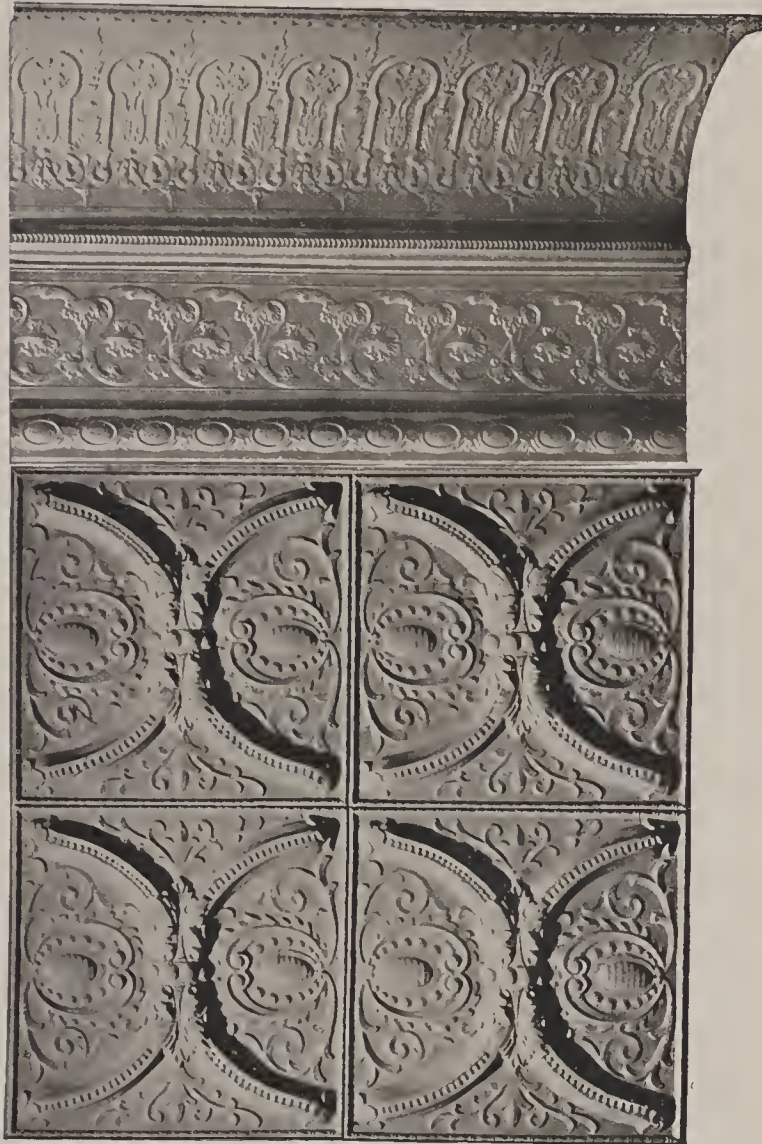
482



Combination Ceiling Plates and Cove.

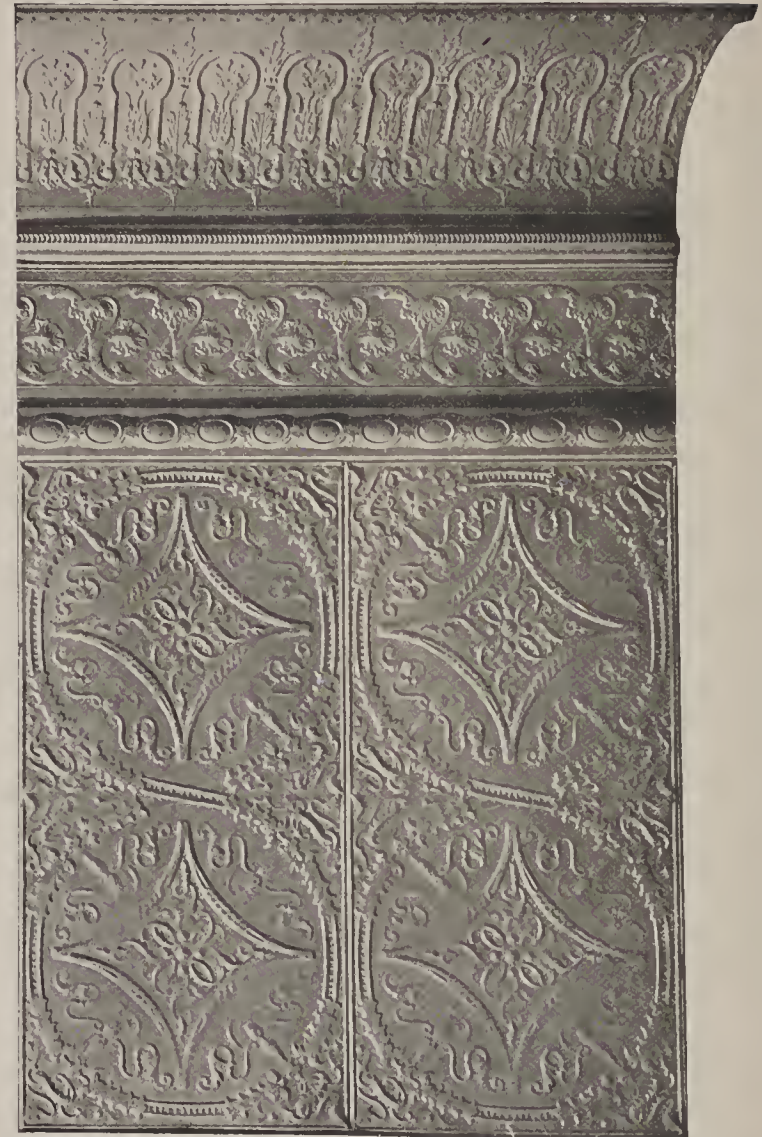
Ceiling Designs with Borders

481



1½ inch Deep Stamped Plates (Special for Church Work, Gothic) and Cove.

478



7⁄8 inch Deep Bead Plates and Cove

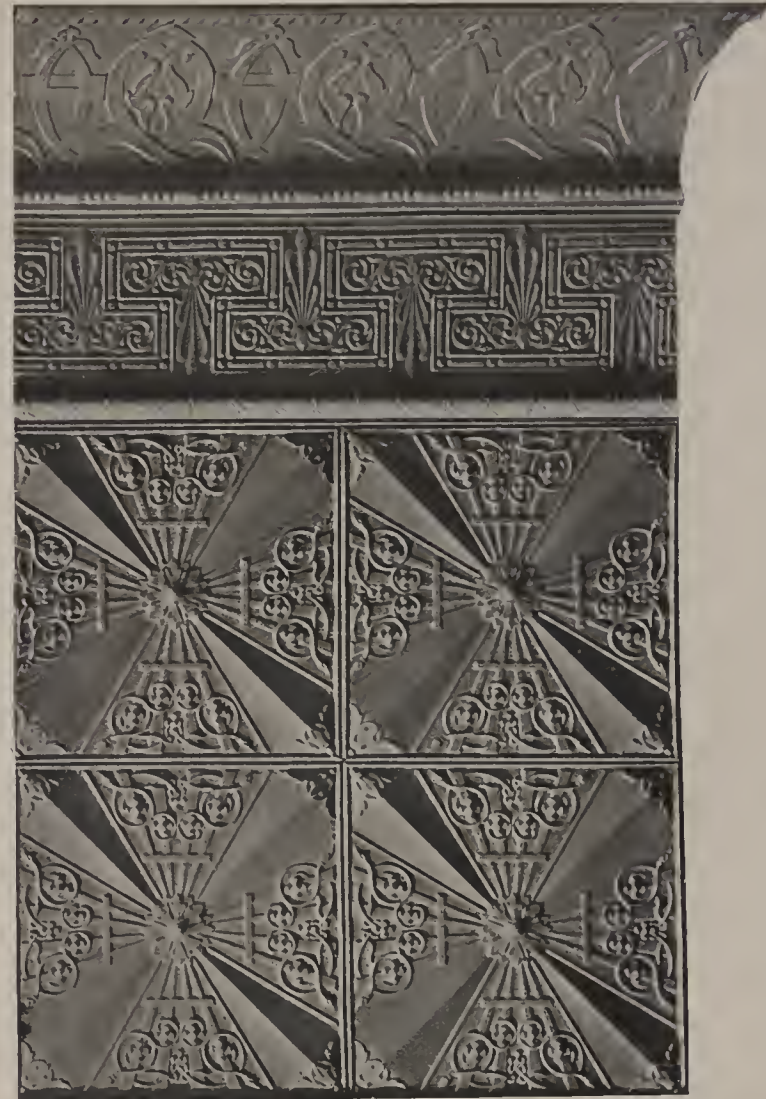
Ceiling Designs with Borders

476



$\frac{3}{8}$ inch Deep Mould Plates and Cove. Plates 24x24 inches.

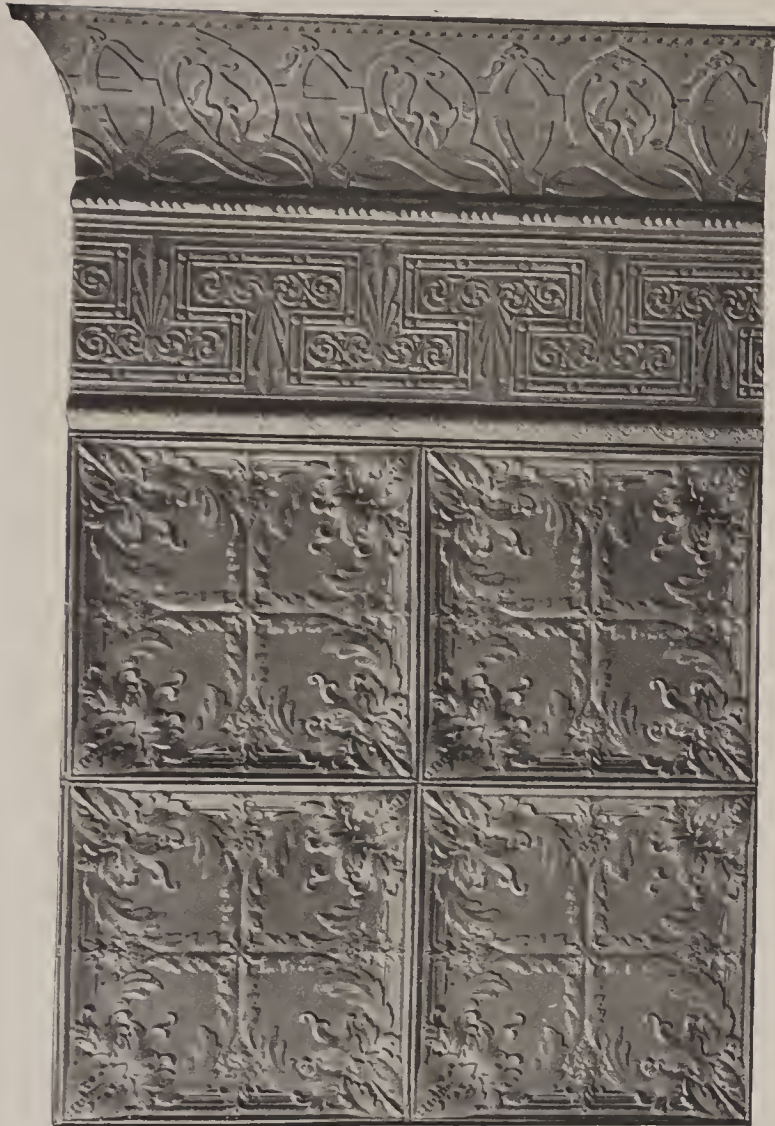
480



$\frac{3}{8}$ inch Deep Bead Mould Plates and Cove.

Ceiling Designs with Borders

477



$\frac{3}{8}$ inch Deep Mould Plates and Cove.

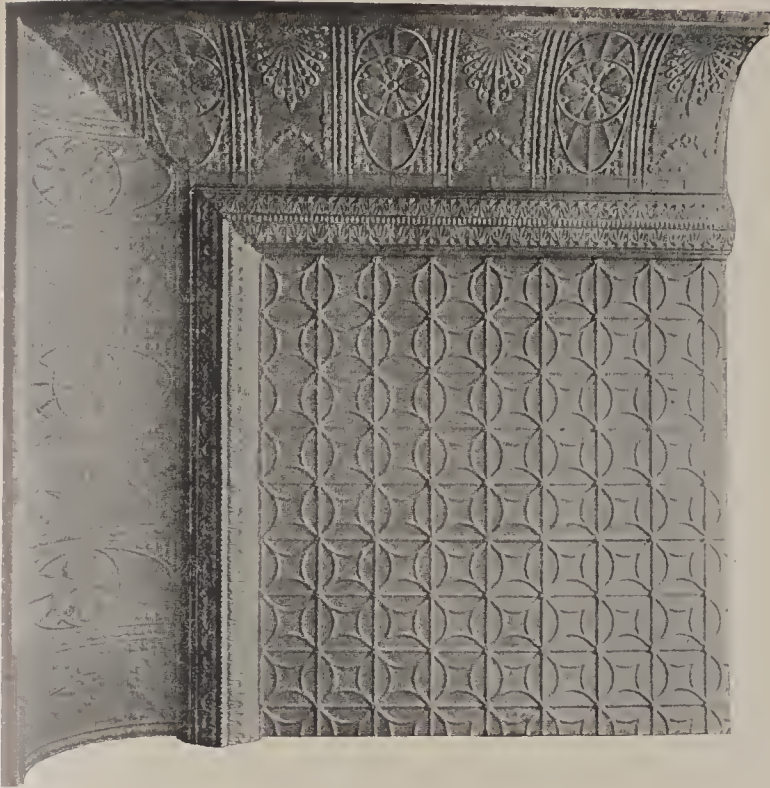
479



$\frac{3}{8}$ inch Deep Bead Mould Plates and Cove.

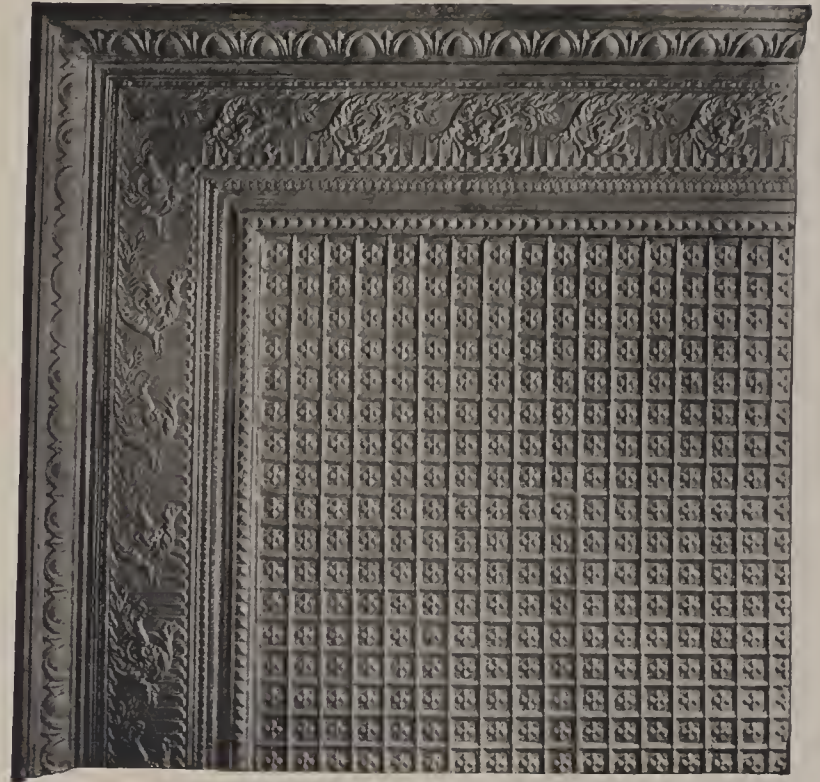
Continuous Ceilings

598



Field Plates, Fig. 600. Moulding, Fig. 214. Cove, Fig. 169.

599

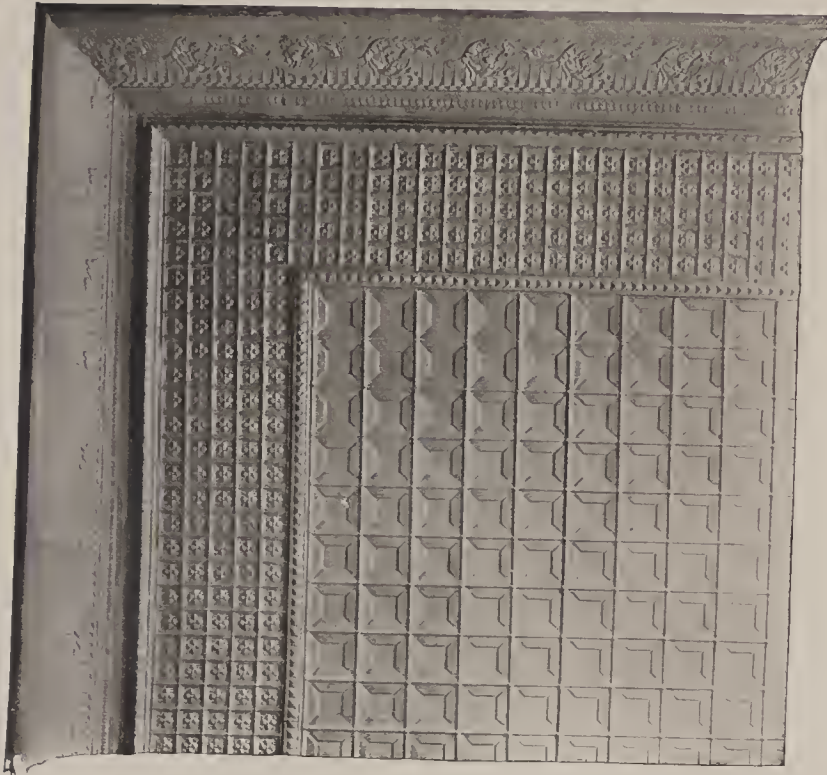


Field Plates, Fig. 116. Moulding, Fig. 172. Border, Fig. 143. Cove, Fig. 219.

Figs. 598 and 599 show a large and small Cove. We can substitute any size desired from 20-inch to 2¼-inch drop.

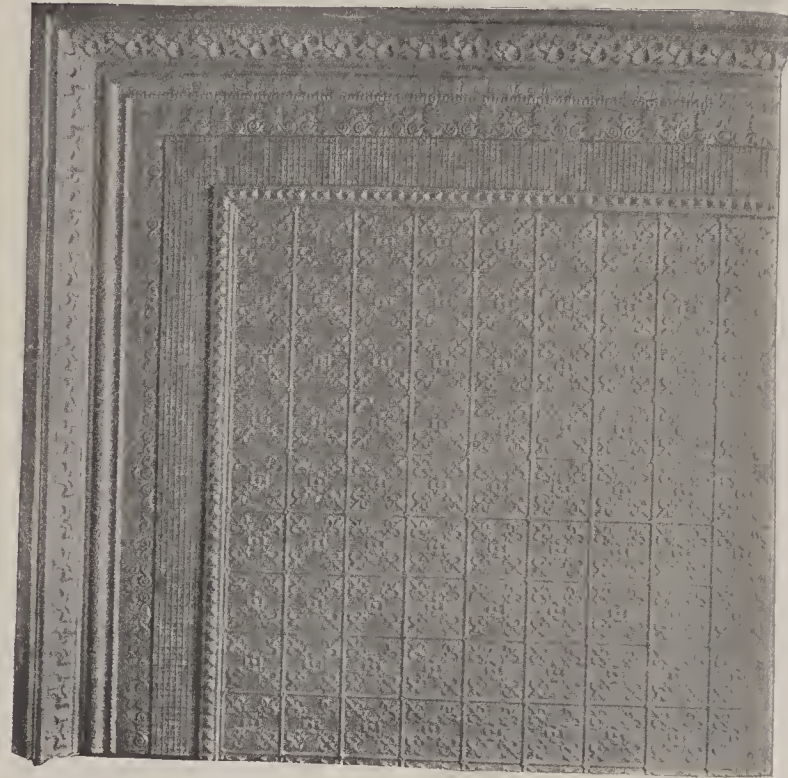
Continuous Ceilings

594



Field Plates, Fig. 596. Moulding, Fig. 172. Border, Fig. 116.
Moulding, Fig. 186. Cove, Fig. 248.

595

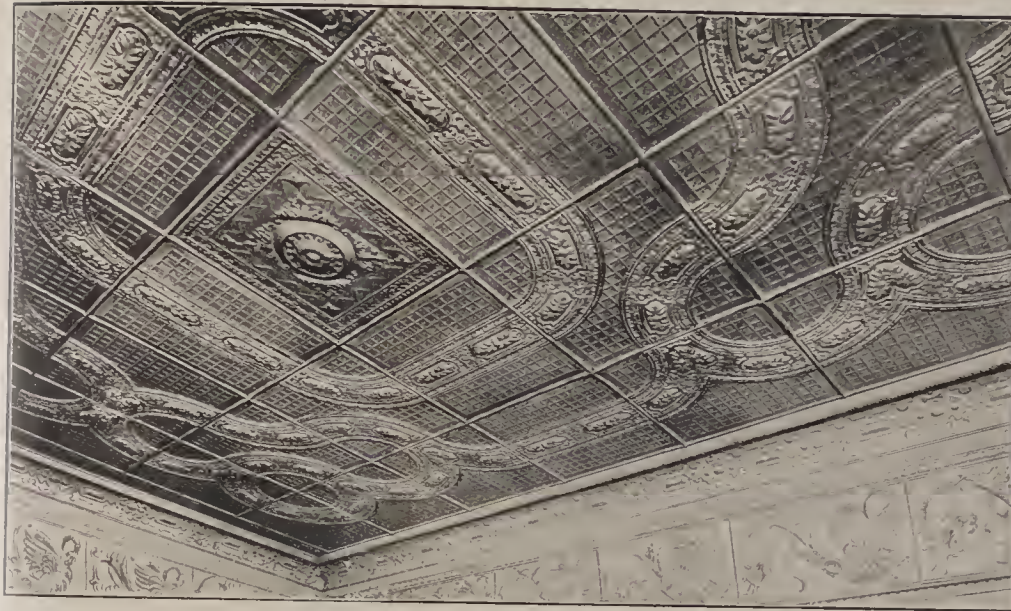


Field Plates, Fig. 597. Moulding, Fig. 172. Styling
Fig. 50. Cove Fig. 223.

Figs. 594 and 595 show a large and small Cove. We can substitute any size desired from 2¼-inch to 20-inch drop.

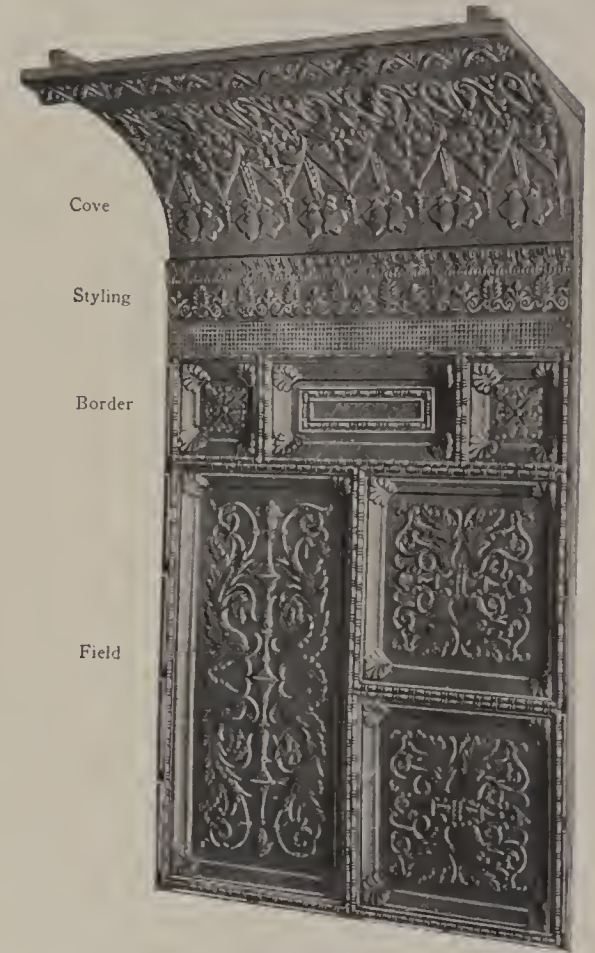
Section of Field Plates and Coves

264



Combination of Plates, Figs. 501 to 504.

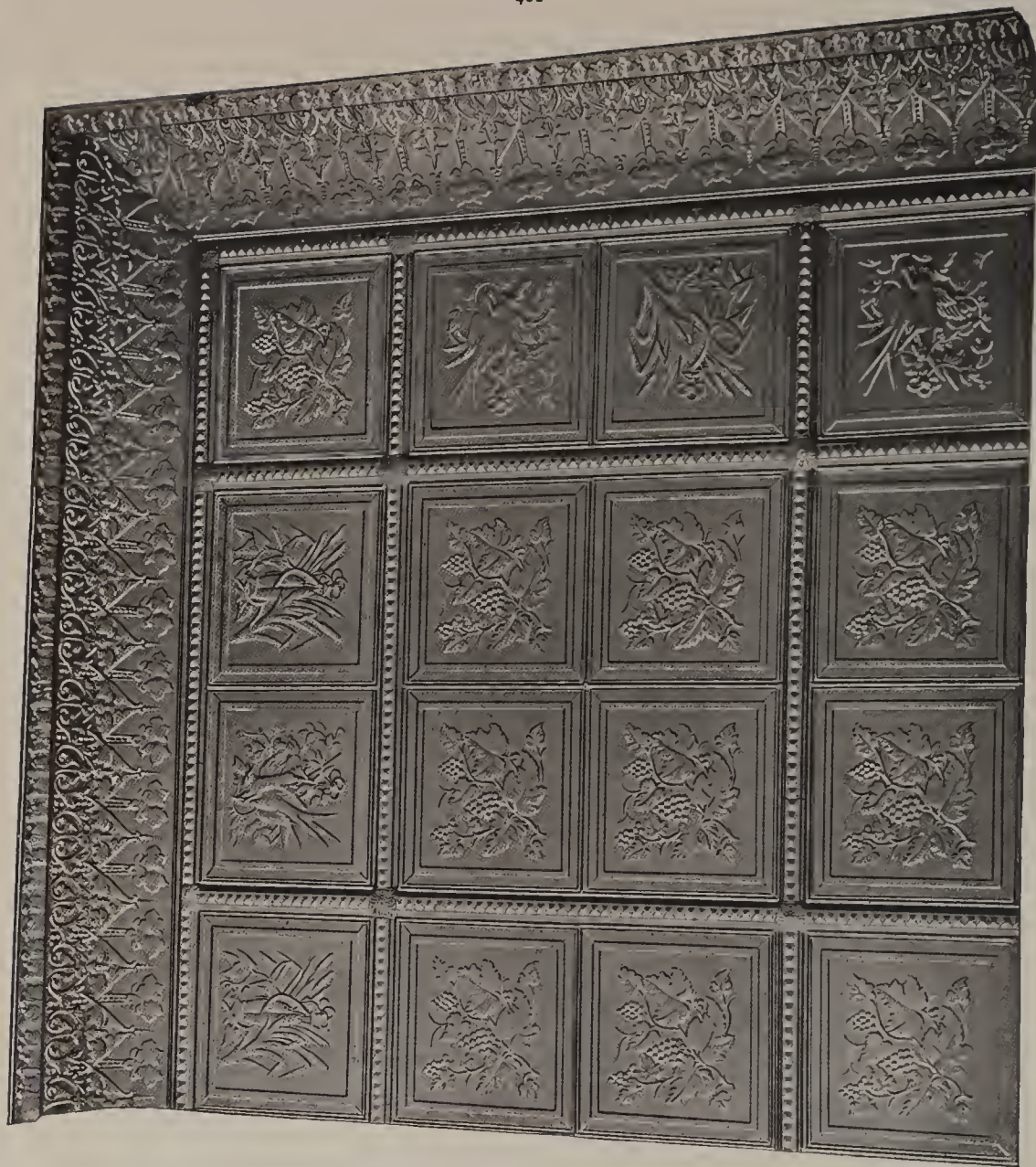
259



RENAISSANCE.
Section 1 1/4 inches Deep Mould Plates.



Suggestion for entrance of an Amusement Parlor made entirely of our Sheet Steel Products



Dining Room Ceiling, divided with light or heavy Beam Moulds and Drop Blocks. Game and Fruit Plates, with any style cove desired. Medium or deep drop on side wall.

Italian Renaissance Ceiling Design

452



Continuous Border and Field Plates with Cove. See Figs. 430 to 433.
Latest Style for fine Ceilings in Residences.

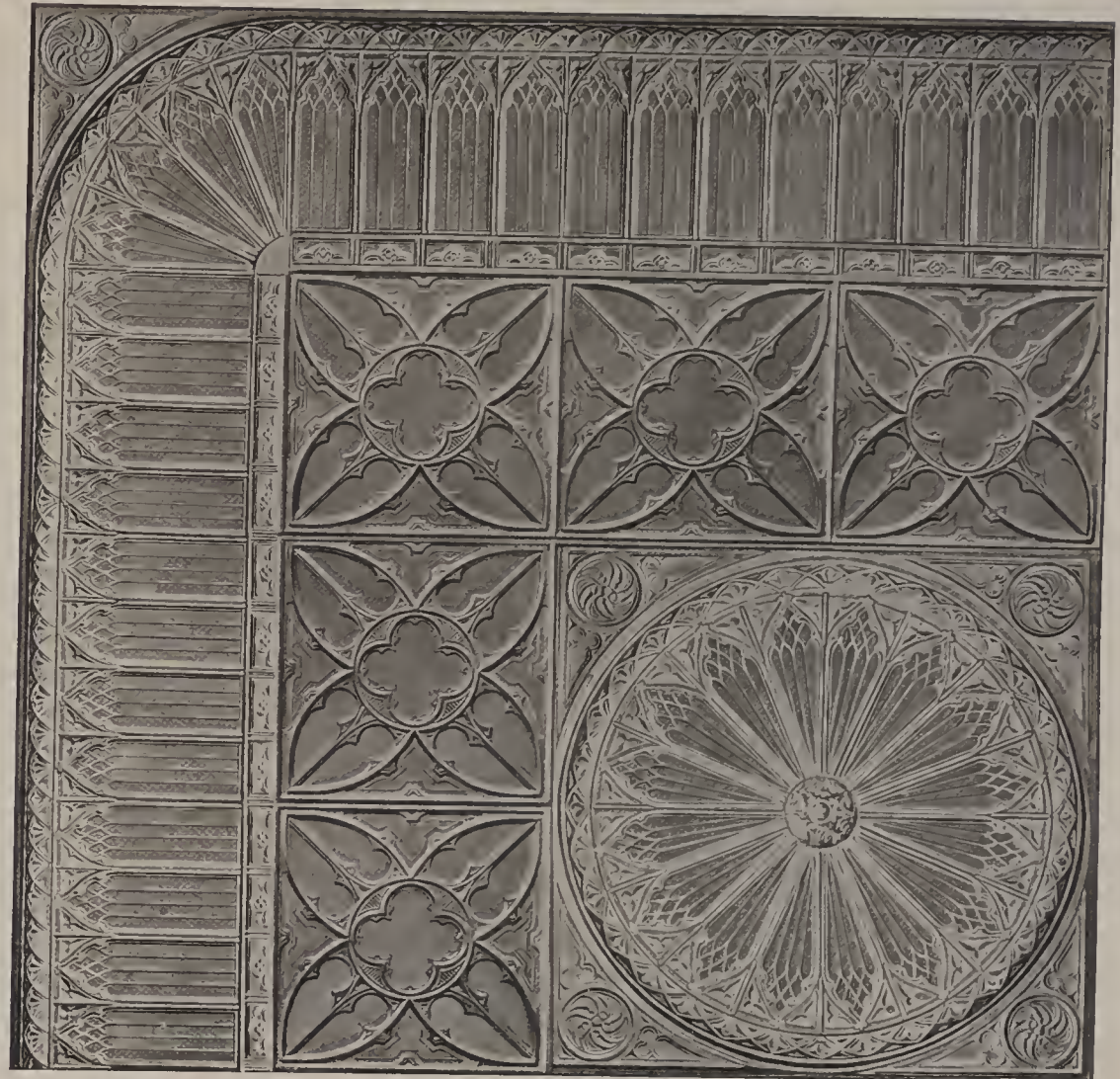
Section Gothic Ceiling Design

734

717
Gothic Cove. With Top and Bottom Mould.



Girth, 26 inches. Projection, 12 inches. Drop on Wall, 15 inches. Length, 48 inches.



Border

Field

Center

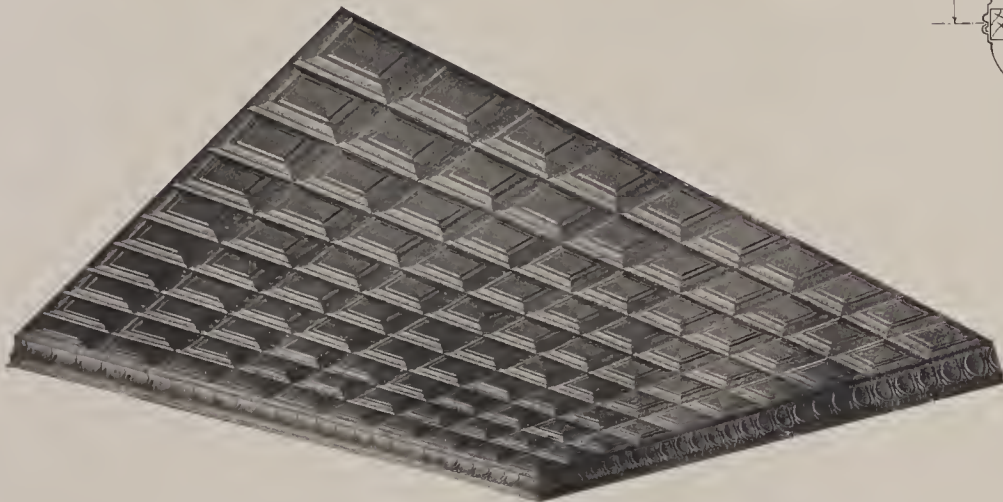


Cluster of Gothic Field Plates

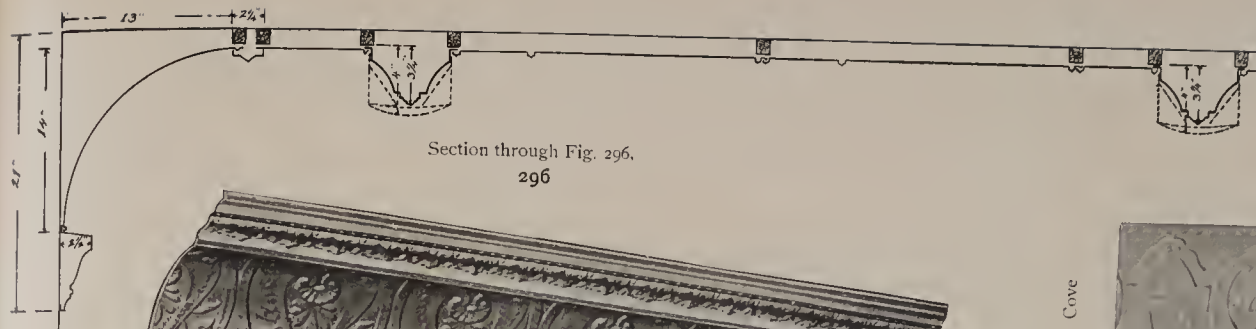
677



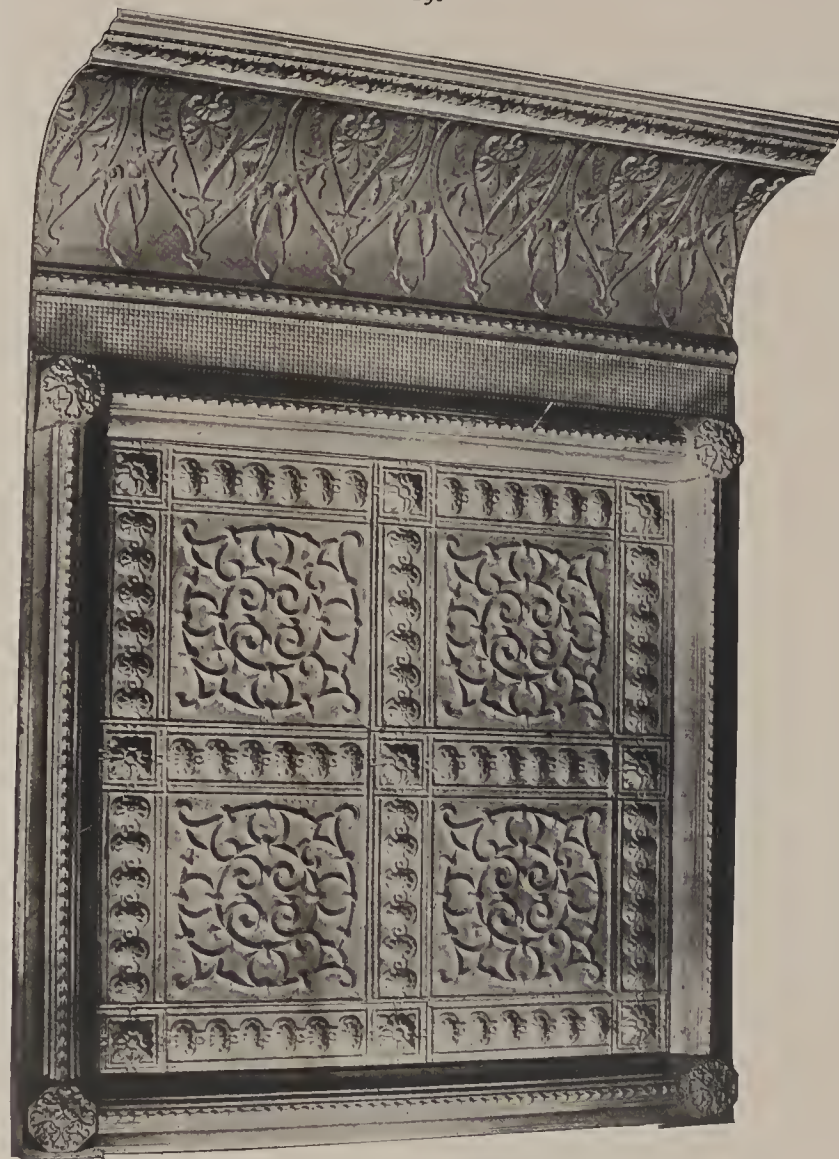
Shows our 6x6-inch Plates in sheets 24x96 inches by $\frac{7}{8}$ deep, also our new Side-Wall Tile.
Fig. 800, Size of Tile $1\frac{1}{2}$ x6 inches, sheets 24x96 inches.



Our New Colonial Ceiling Plates in long sheets 24x72 inches, Plates 12x12 inches.



Section through Fig. 296,
296



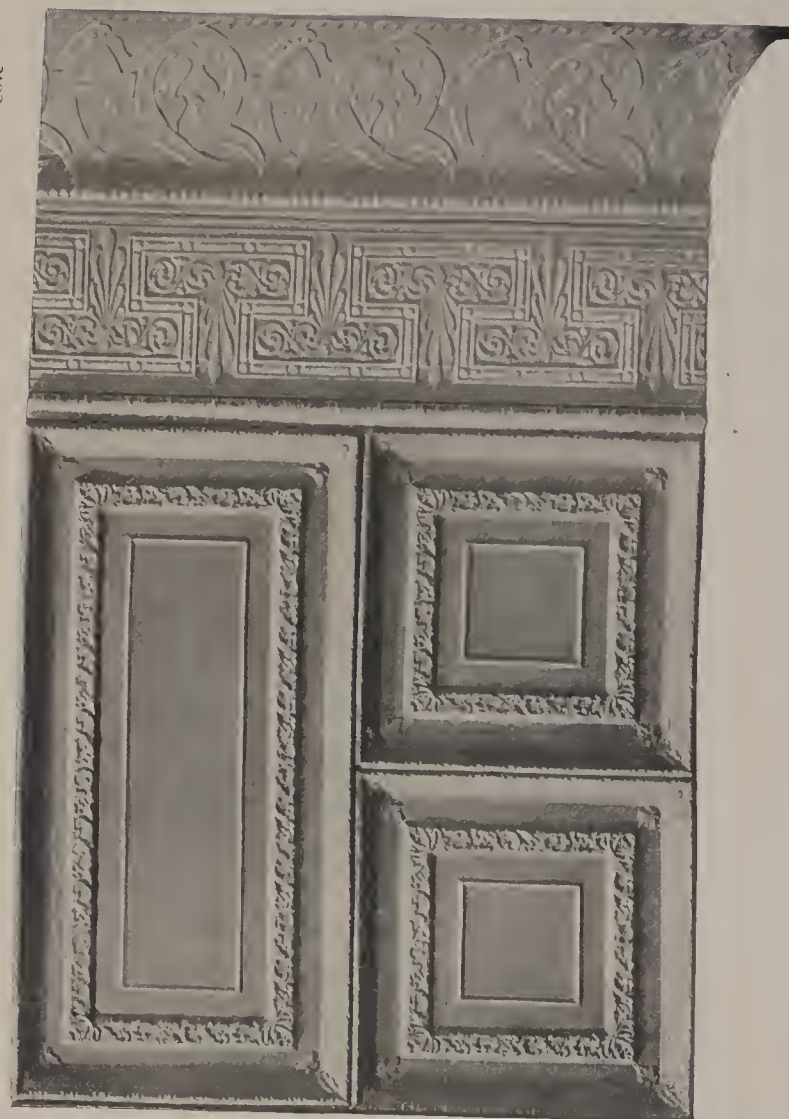
Gothic Plates, Cove and Beam Mould.

475

Cove

Border

Field



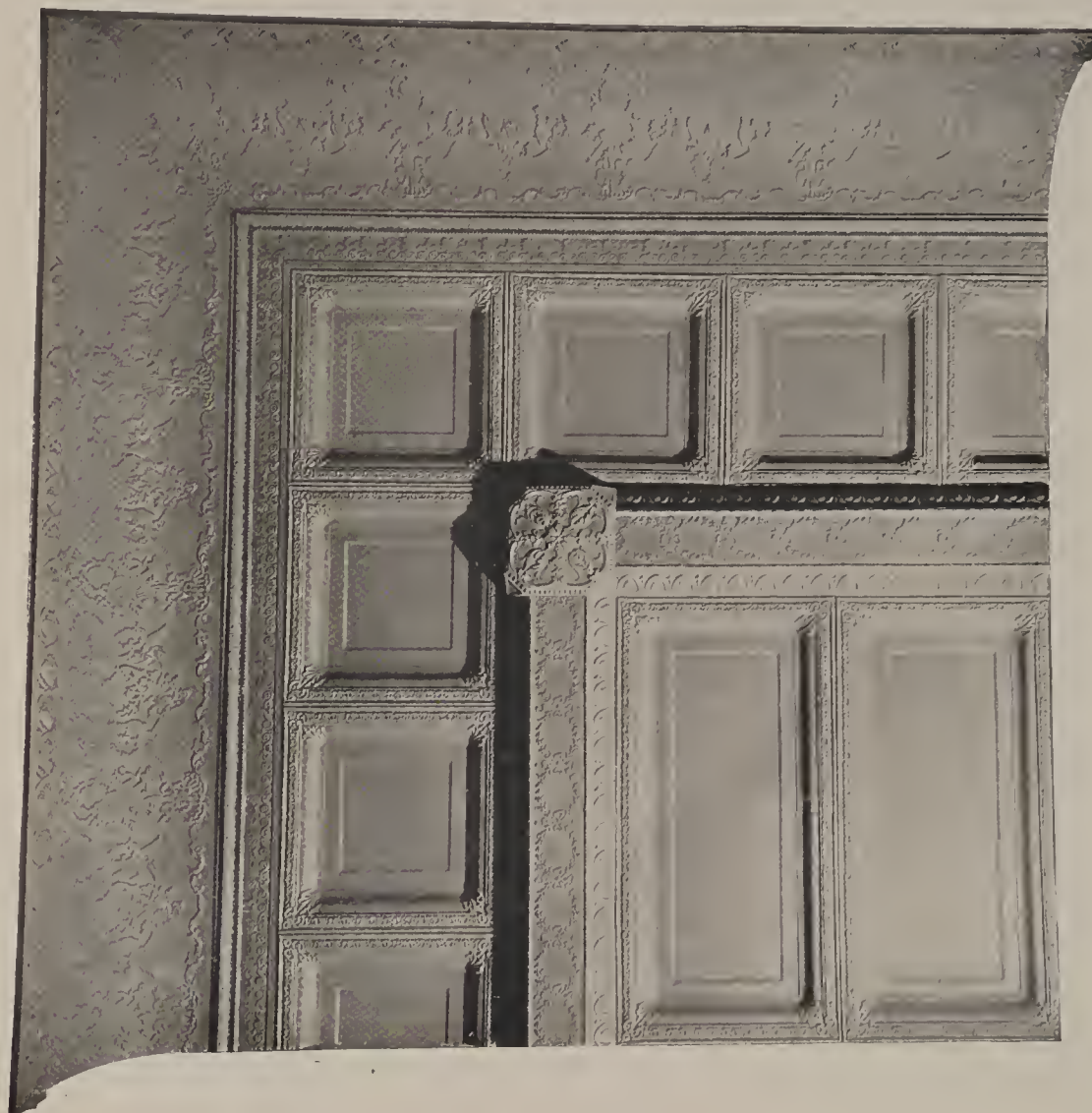
Colonial Ceiling. Medium Deep Mould Plates $1\frac{1}{4}$ inches deep and Cove.

459



Rococo Style Deep Beam Mould and Drop Block Effect. See Fig. 69.

456



Colonial. Quarter Section $2\frac{1}{4}$ inches deep plates. 12 inch Mould, 3 inches deep and Zinc Drop Blocks
Cove Emblematic, 22 inches girth. See Figs. 89 and 90.



ELIZABETHAN. 17 $\frac{1}{8}$ inches deep Mould Plates, 9-inch Beam Mould. 3 inches deep, Drop Blocks. See Figs. 73 and 74. Elizabethan Special Church Plates. Also for any style high ceiling work.



Quarter Section $2\frac{1}{4}$ inch Deep Mould Plates.

471



Quarter Section, Rococo Style, Deep Mould Plates, Border Beam Moulds, Drop Blocks and Large Cove.

386

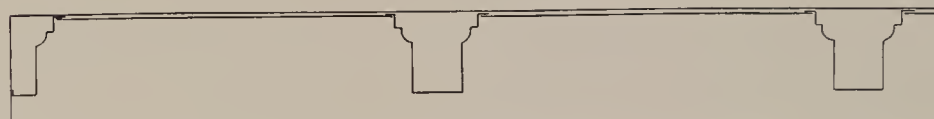


Quarter Sections Empire Ceiling, Cove and Frieze.

870



Gothic Field Plates, Cove and Frieze.



Sectional view

871



Beam Ceiling with Stippled Field Work.



Continuous Egg and Dart Ceiling Plates, Fig. 809, 24 x 96 inches in combination of Cove, Frieze and Sidewall.



Bath Room Side Walls and Ceiling.



Kitchen Ceiling



Bath Room Sides and Ceiling.

Borders, Cove and Field

705



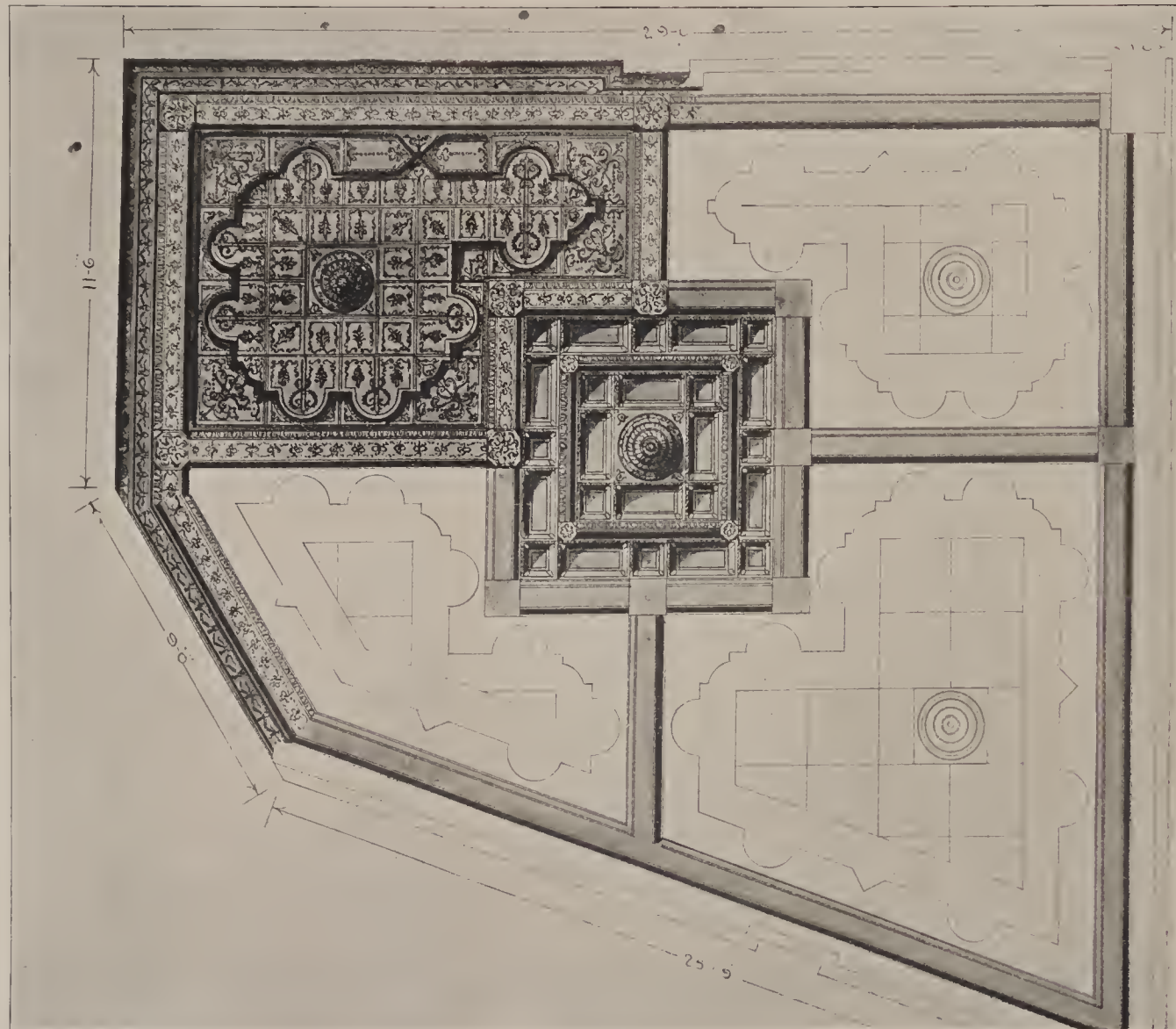
Section of Border, Cove and Field Plates.

373





827





Metal Ceiling and Post Covering in Saal's large Clothing Store, Petersburg, Va.



Ward in St. Joseph's Hospital, Philadelphia, Pa.



Our new 30x30 inch Plates, Fig. 855, page 22, Confectionery Parlor. Germantown, Pa.

699

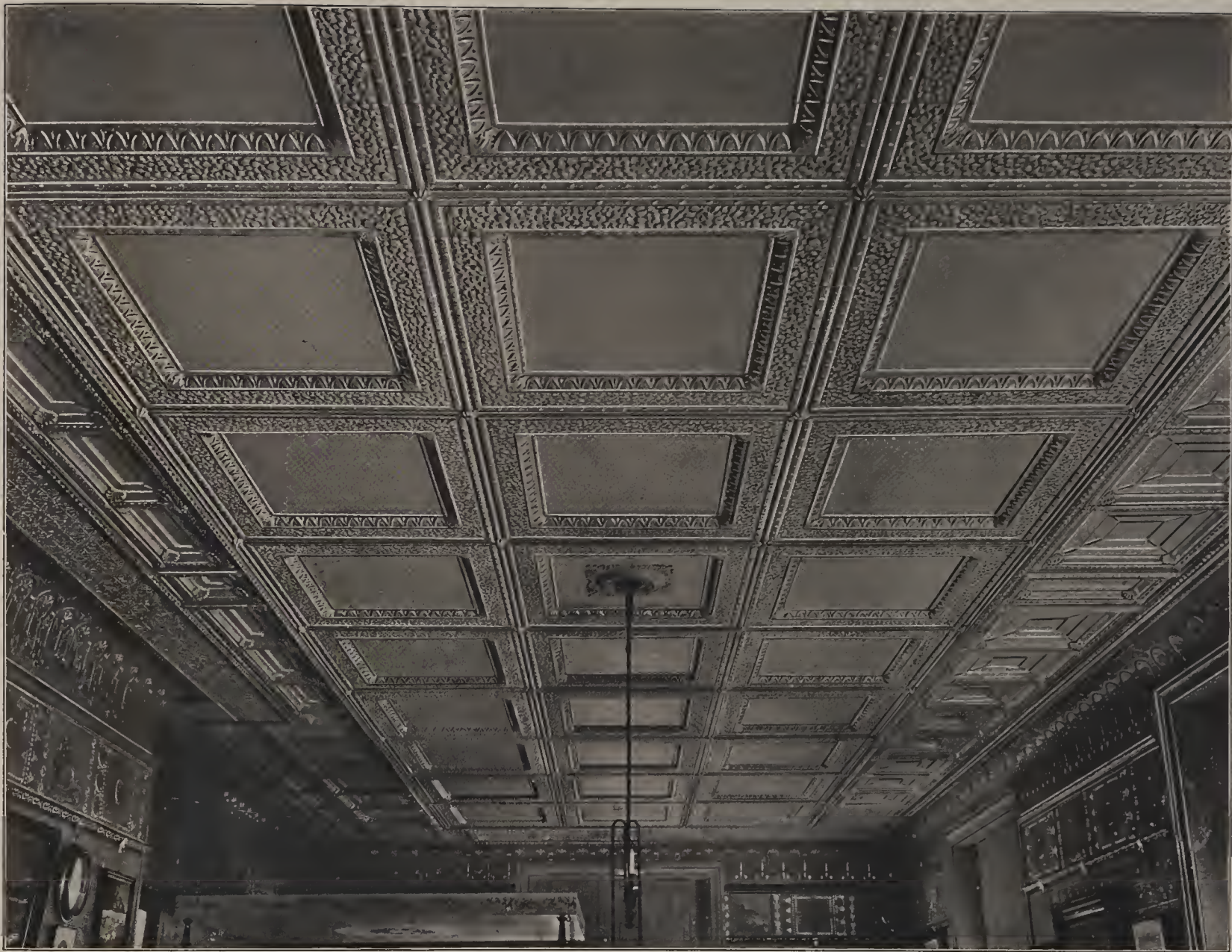
Gothic Stipple



294



Combination Side-wall and Freize. Body Sheets, 24x48 to 120 inches. Freize 10 to 18 x 48 to 120 inches.



Renaissance Plates. Church Work a Specialty.



Retail Store, Metal Ceiling, Empire and Colonial Designs



Dining Room of Clayton Hotel, Wilmington, Del.

603



Rococo Deep Plate.

606



Renaissance Border, Field and Centers.



Cafe, at Nicetown, Pa., Hunting Park Avenue and Germantown Road.

Empire Colonial Ceiling and Cove. Francis I. Side Wall and Frieze.

426



Rococo Ceiling Plates and Renaissance Border.



Metal Ceiling and Side Walls. No. 716 Arch Street, Philadelphia.



2¼-in. Deep Mould Plate, Colonial Centres, Empire Cove.
129



Metal Ceilings and Post Coverings and Capitals Under Galleries of Saal's Clothing Store, Petersburg, Va.



Suit of Offices finished with Embossed Metal Sides and Ceiling, Girders, Stairways, etc.

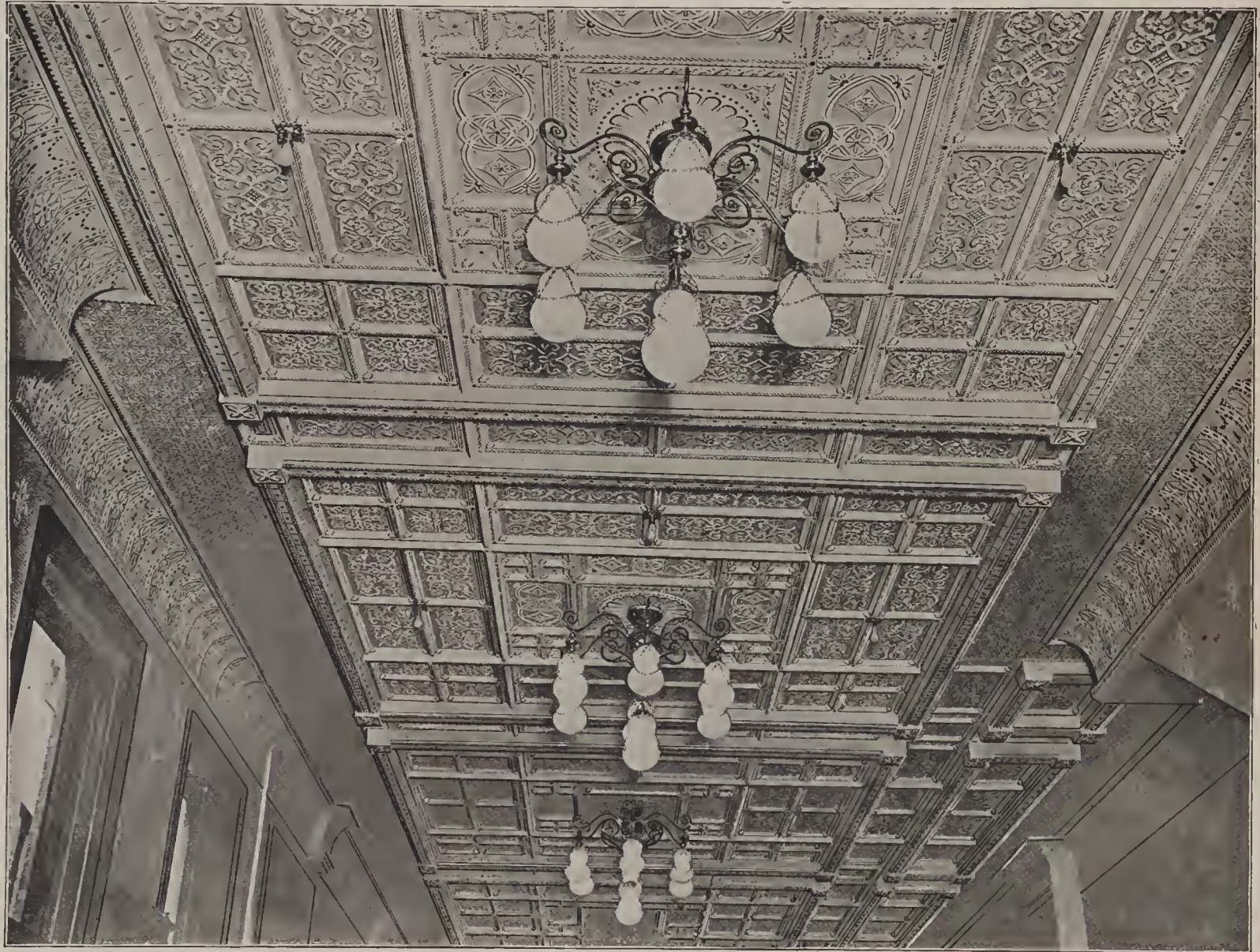
602



Renaissance Plates and Beam Mould Art Relief Frieze.



Metal Ceiling in Restaurant.



Clark's Hotel, Boston, Mass. Ceiling and Cove.



Dining Room Ceiling. Private Residence.



Restaurant, Ceiling and Side Walls.

847



Rococo Deep Plates and Deep Beam Effect.



Boothby's, Chestnut Street, below Thirteenth Street, Philadelphia, Pa. Oyster Cafe. Empire Colonial Style. Roman Frieze.



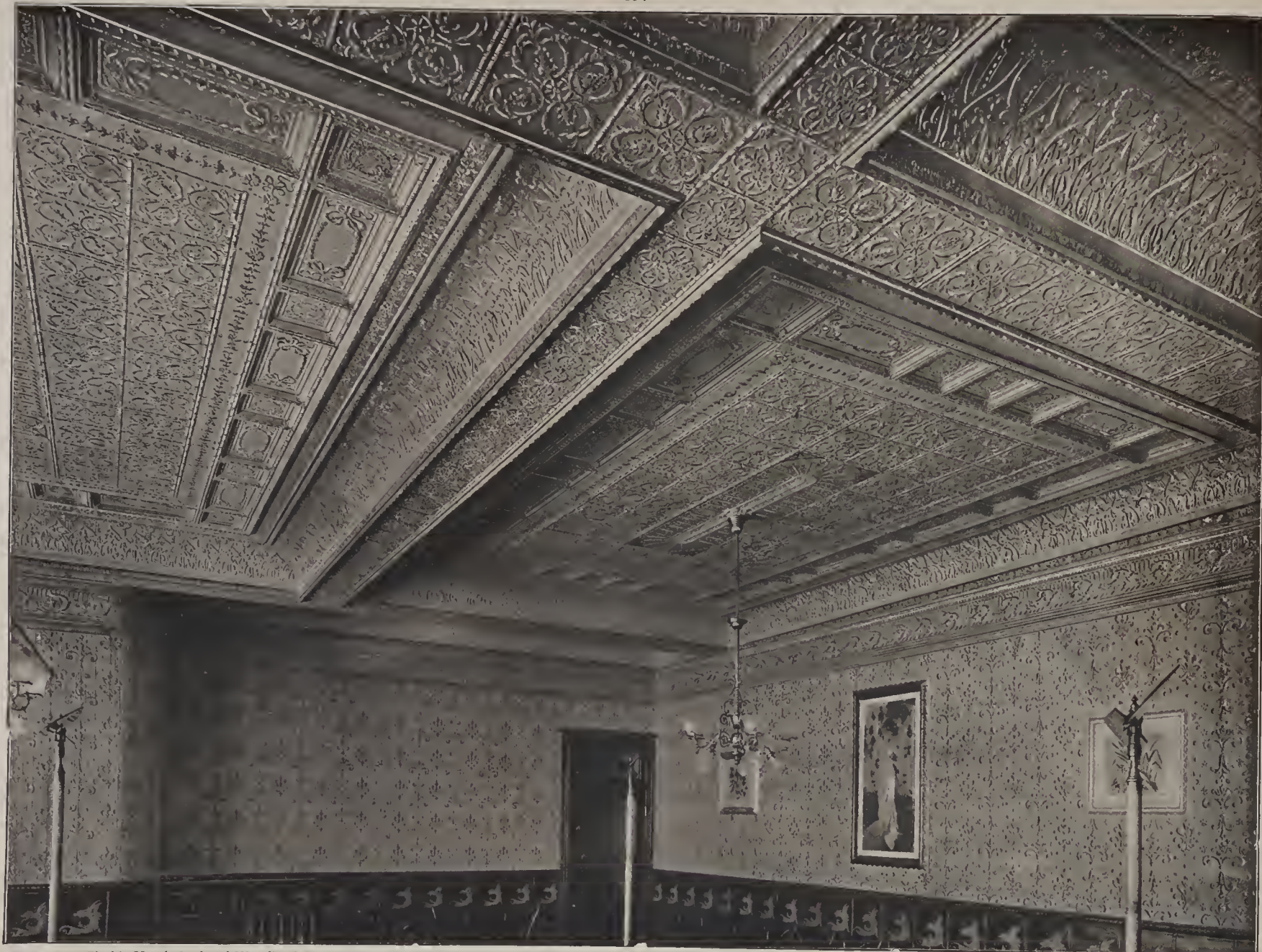
Deep Panel and Girder Effect, $\frac{2}{4}$ -inch deep Field Plates, Coves, Brackets, Side Wall and Wainscoting.



Suite of Private Offices. Metal Ceiling and Side Wall.



Warehouse and Storeroom Applying Metal Ceilings and Covering Wood Girders.



Clark's Hotel, 63rd and Woodland Avenue, Philadelphia, Pa. Dining Room.—Ceiling and Side Wall. Beam covering, No. 800, Side Wall, Fig. 126. Wainscoting, Fig. 334.

366



Empire Colonial Deep Plates and Heavy Beam Effect.

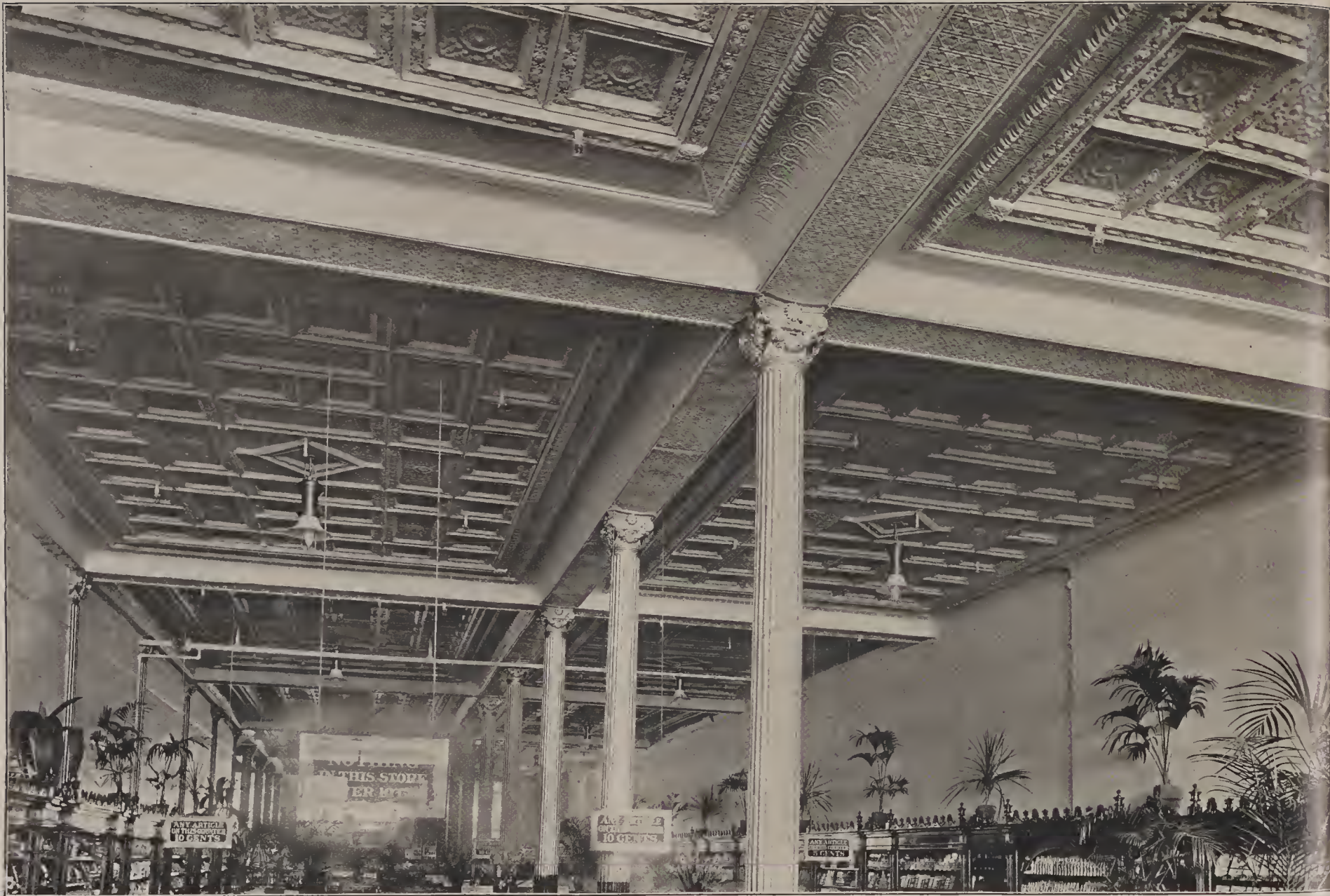


Laurent's Confectionery Store, Chestnut Street, Philadelphia, Pa.

848



Ceiling and Side Wall. Gothic Treatment with Beam Effect.



Woodworth & Co.'s Store, 14th Street, New York City, 20,000 square feet of our Metal Ceilings and Side-Walls. One of sixteen large stores we did for this firm.



Ceiling First National Bank, Camden, N. J.

Colonial, $2\frac{1}{2}$ inches deep Panel Plates, intersected with $3\frac{3}{4}$ inches deep Beam Moulding. Zinc Drop Blocks. Imperial Cove, 7 feet Girth. 78 x 78 inches square Ventilating Center Piece.



Main Corridor, First Floor, Boys' High School. Philadelphia, Pa

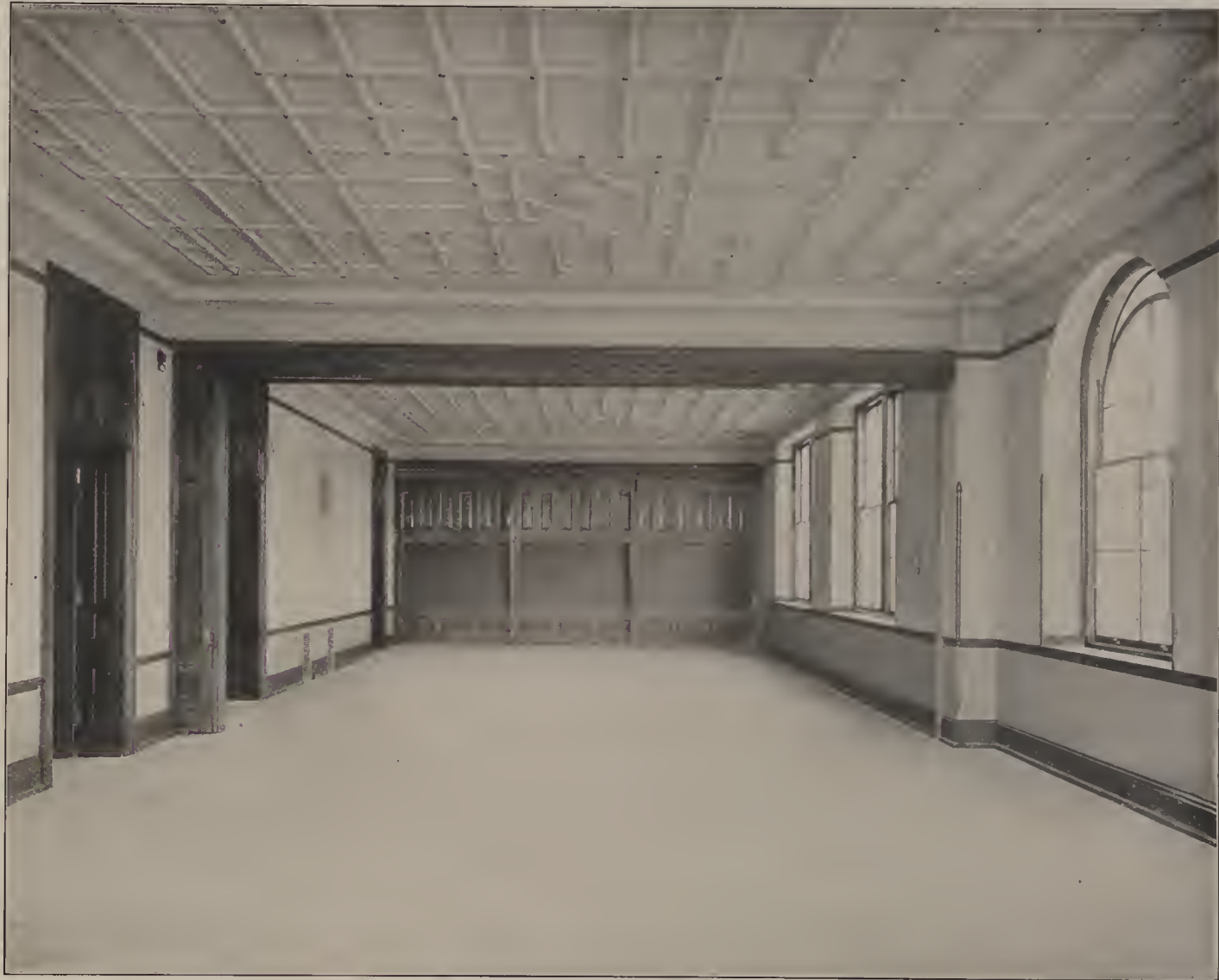


Main Entrance, Boys' High School. Philadelphia, Pa.



Lecture Hall, Boys' High School. Philadelphia, Pa.

608



Colonial Deep Mould Plates and Cove for Class Rooms and Public Schools.

Empire Field Plates, Cove and Center Piece

704



Class Room in Public School, Philadelphia, Pa.



Jewelry Store, Roanoke, Va., using our shallow mould plates, $\frac{5}{8}$ inch deep. Center Piece 48 inches square.



Metal Ceiling in Theatre of Soldier's Home, Hampton, Va.

593



Lodi M. E. Church, Lodi, California.



Church Interior Ceiled with our Art Metal Work.

375





374



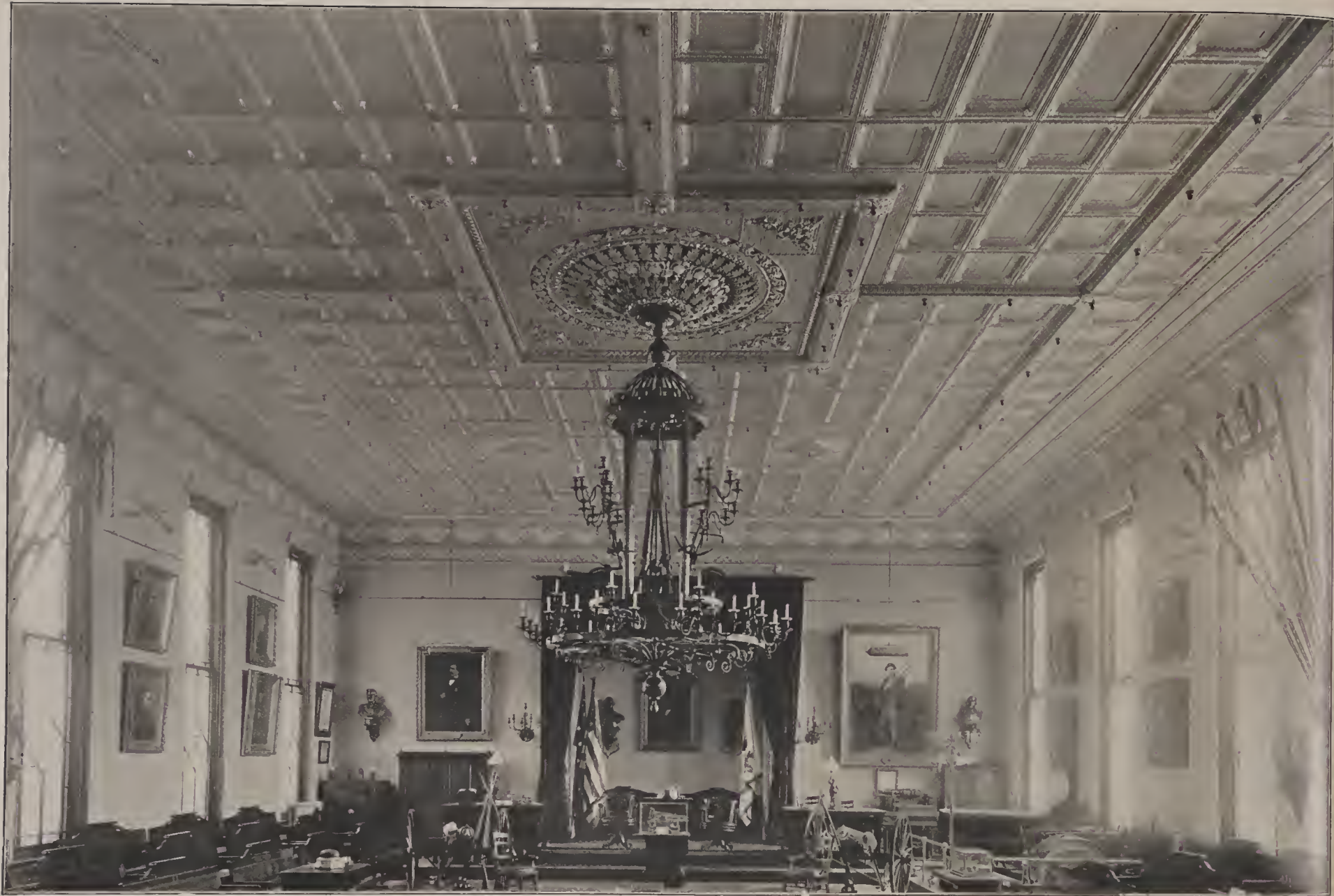
707



Metal Ceiling, Cove and Frieze in Society Hall, Colorado.



Hall Finished with our Metal Ceiling, including Proscenium Arch.



G. A. R. Hall Post 2, 12th and Wallace Streets, Philadelphia, Pa.



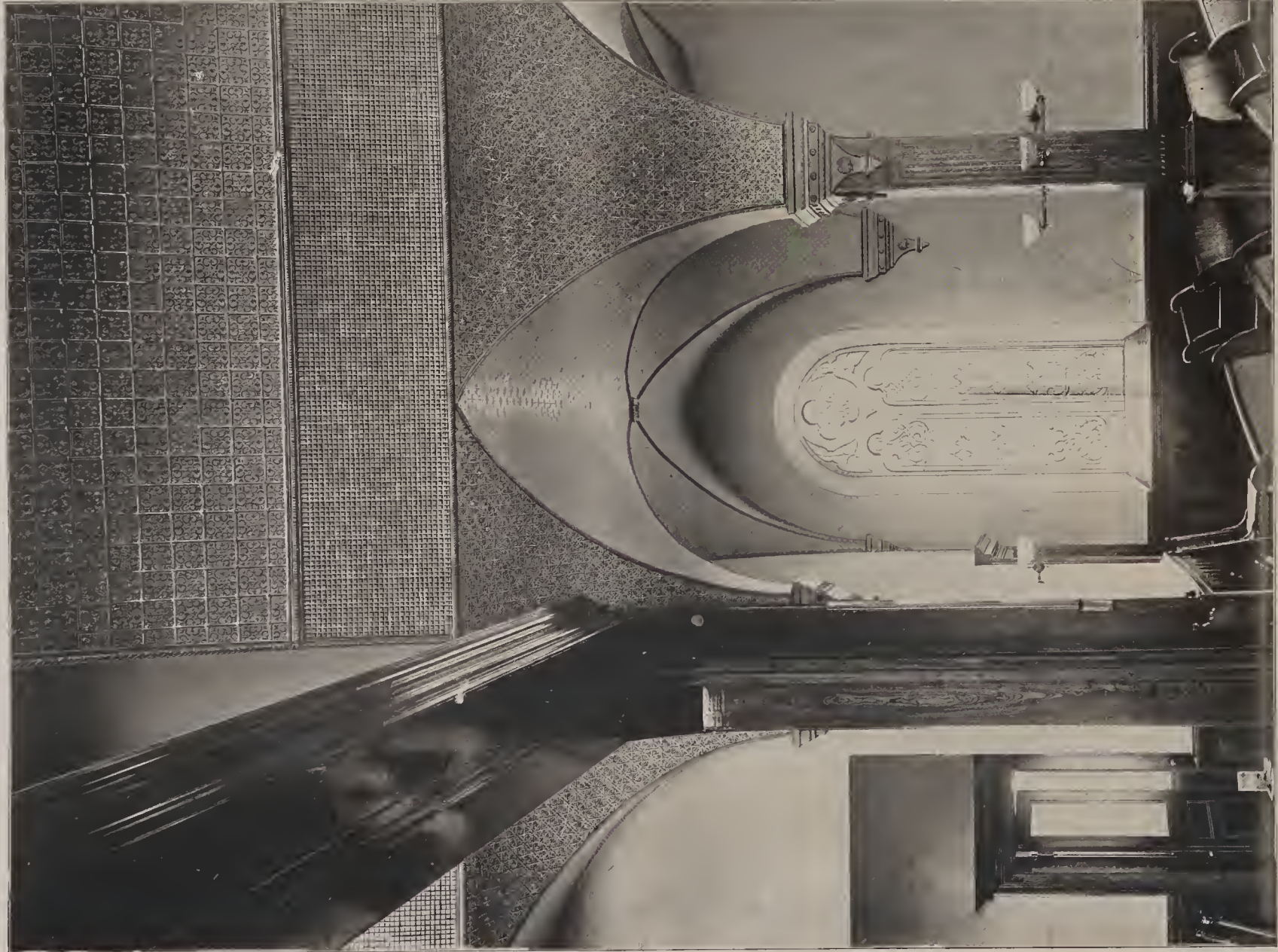
Church at Valatie, N. Y.



Odd Fellows' Hall, Easton, Md.



Church Ceiling, Easton, Md.



Section of M. E. Church, Atlantic Highlands, N. J.

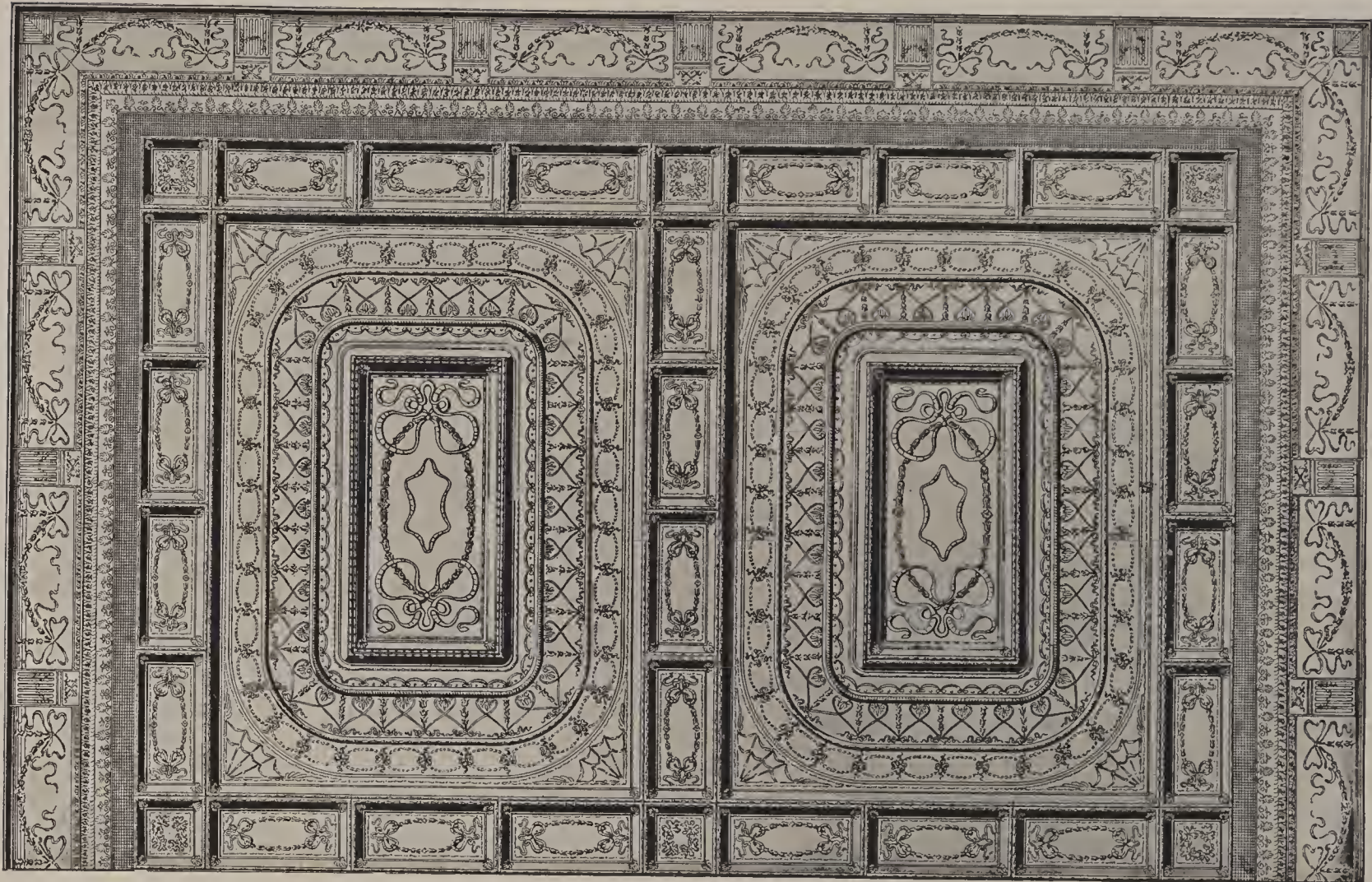


Church Ceiling with Metal Covered Beams, Pilasters and Gallery Facing.

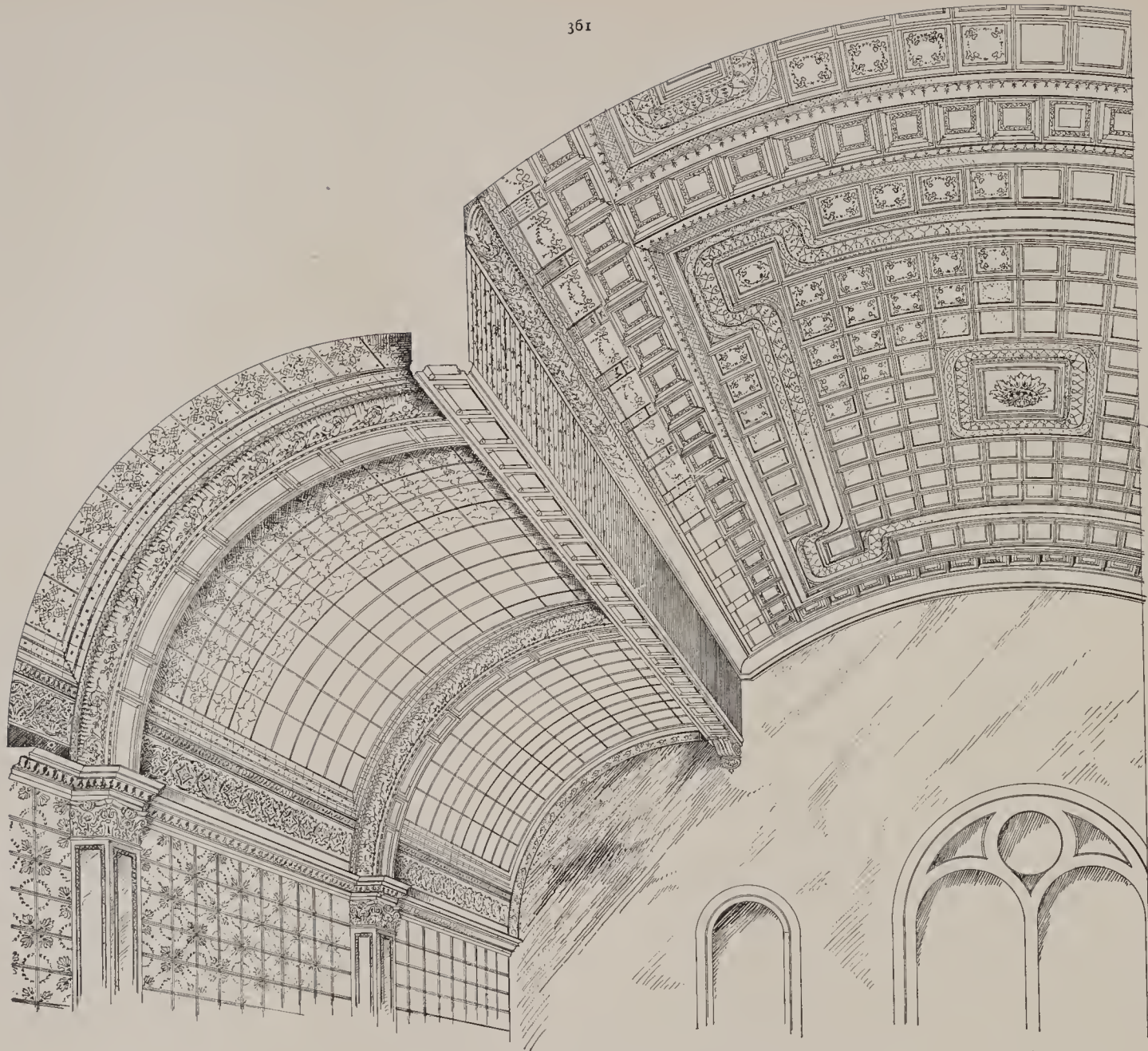


Woodland Avenue M. E. Church, Philadelphia, Pa. Ceiling Plates, 24 inches deep. Colonial, surrounded by Beam Mould, 3 3/4 inches deep. Drop Girders, 12 x 16 inches. Pilasters, 16-inch face by 4-foot drop. 12-inch projection. Coves and Frieze.

679

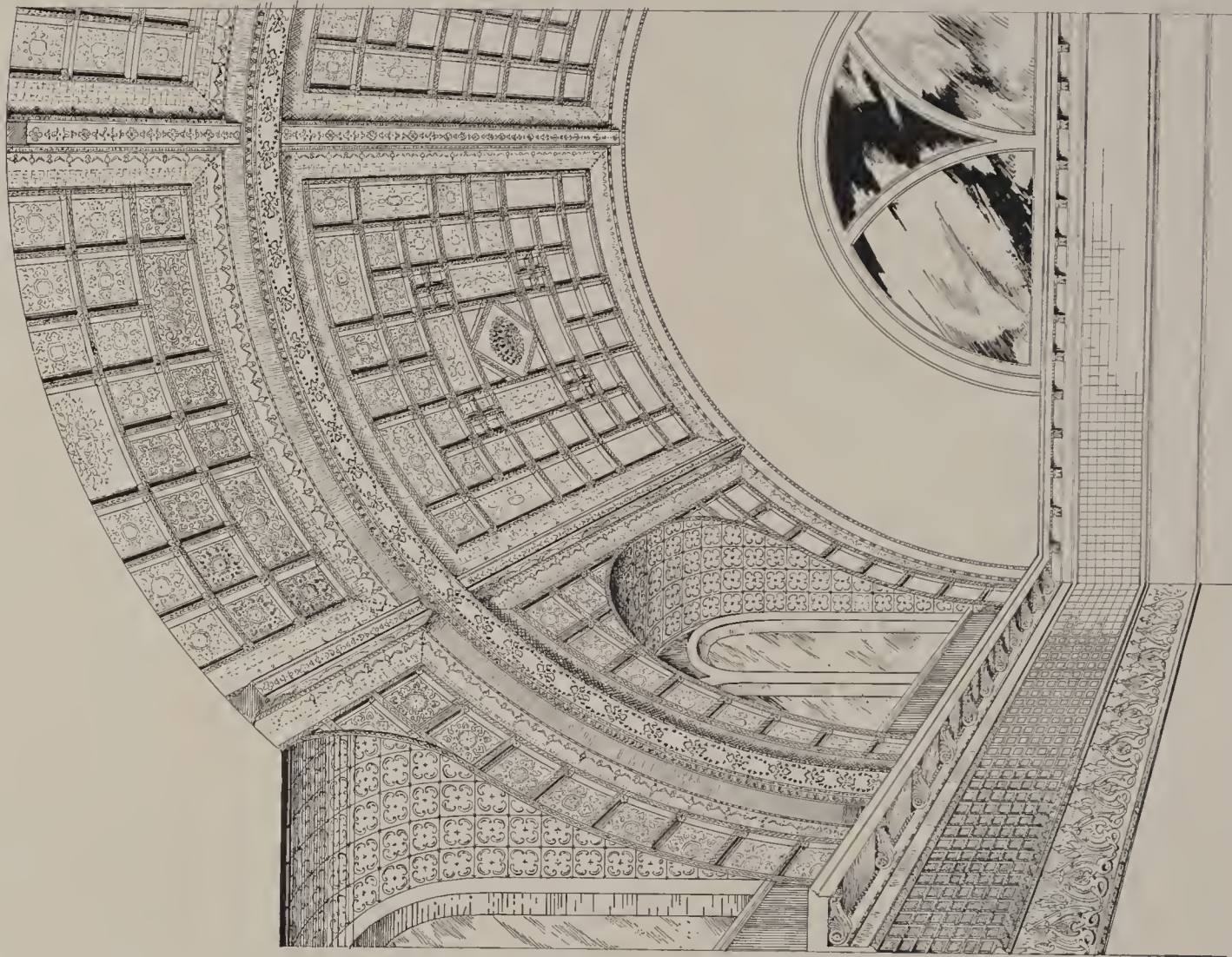


Church or Hall Ceiling.



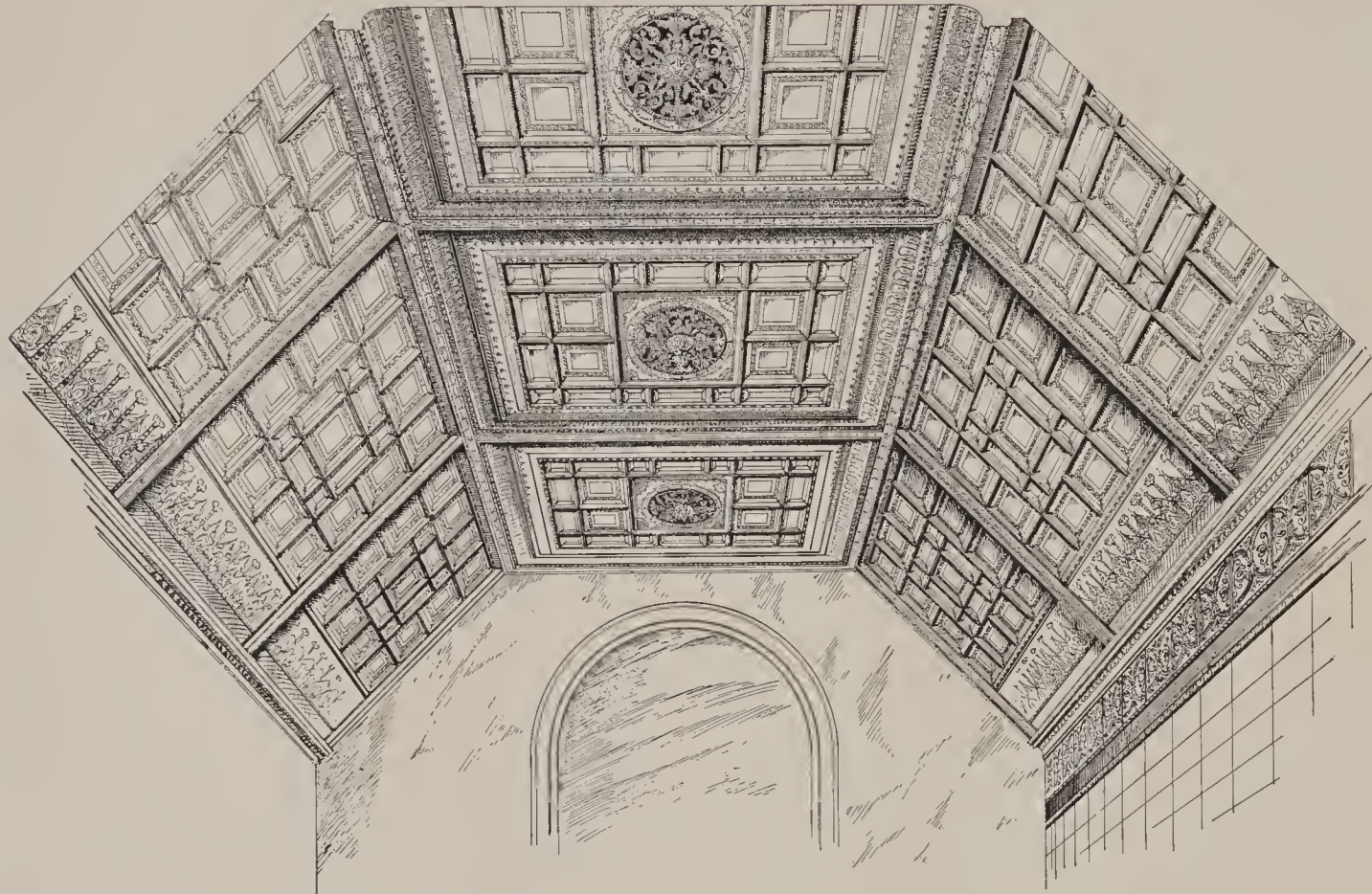
Suggestion for Embossed Metal for interior of a Church.

159

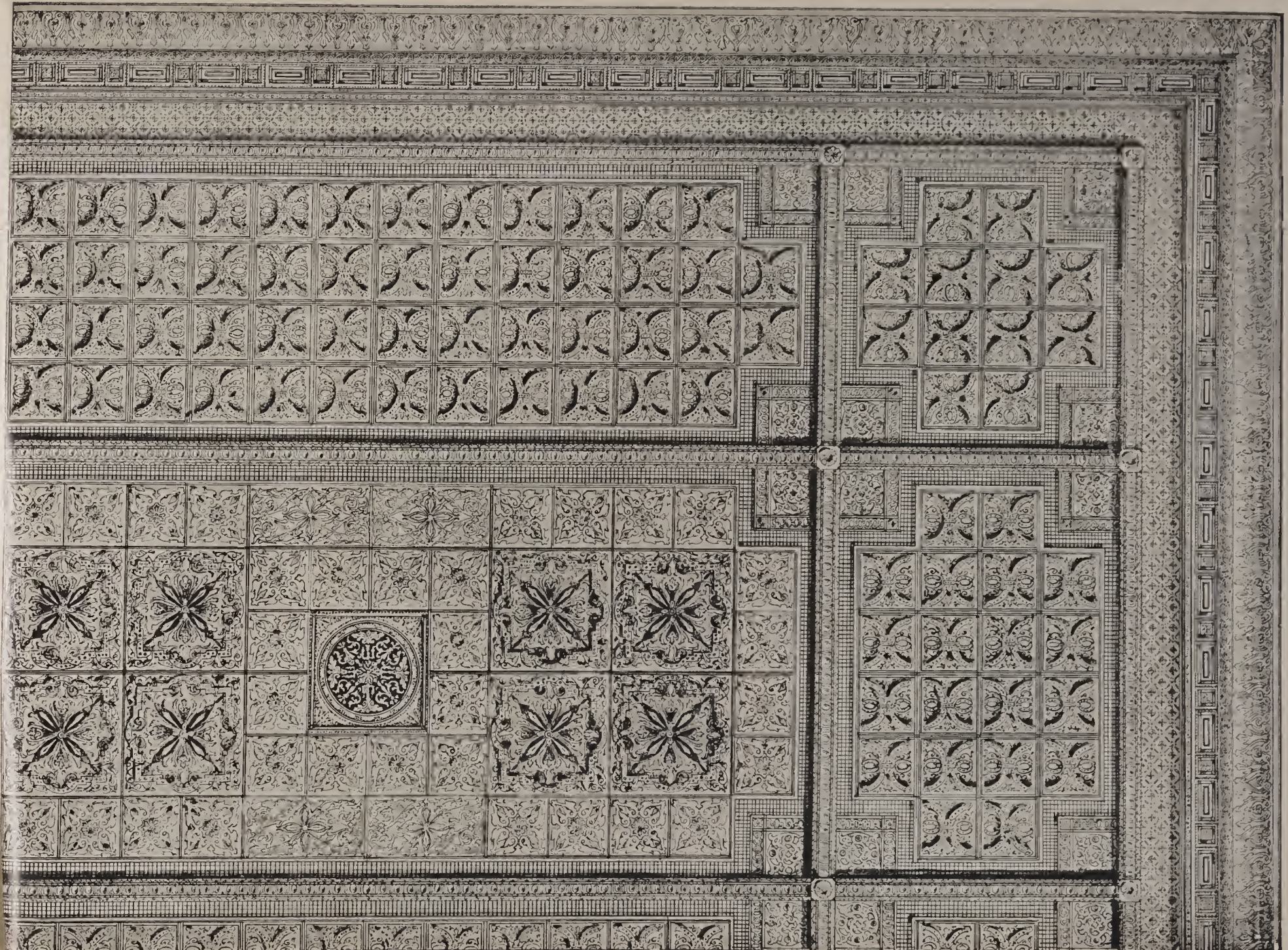


Suggestion for Embossed Metal for interior of a Church.

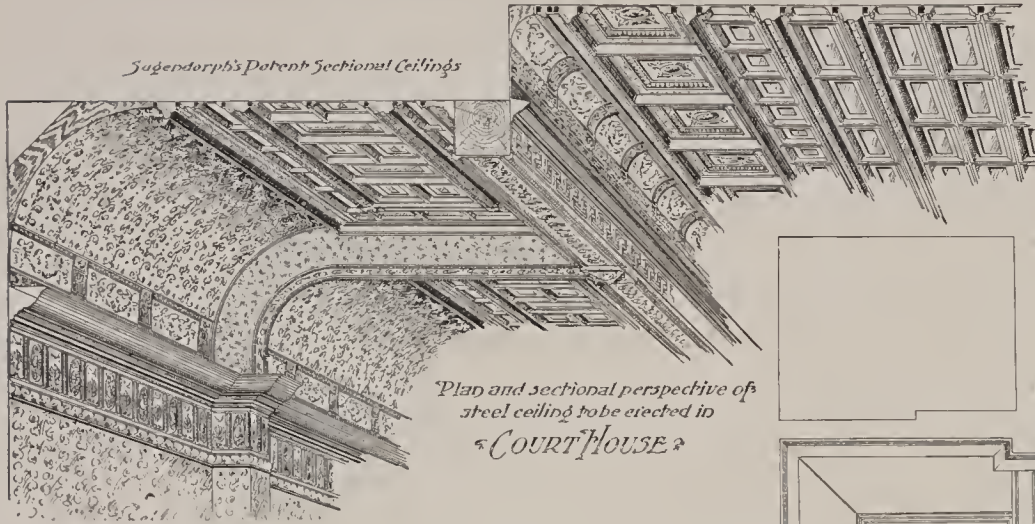
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Suggestion for Embossed Metal for interior of a Church.

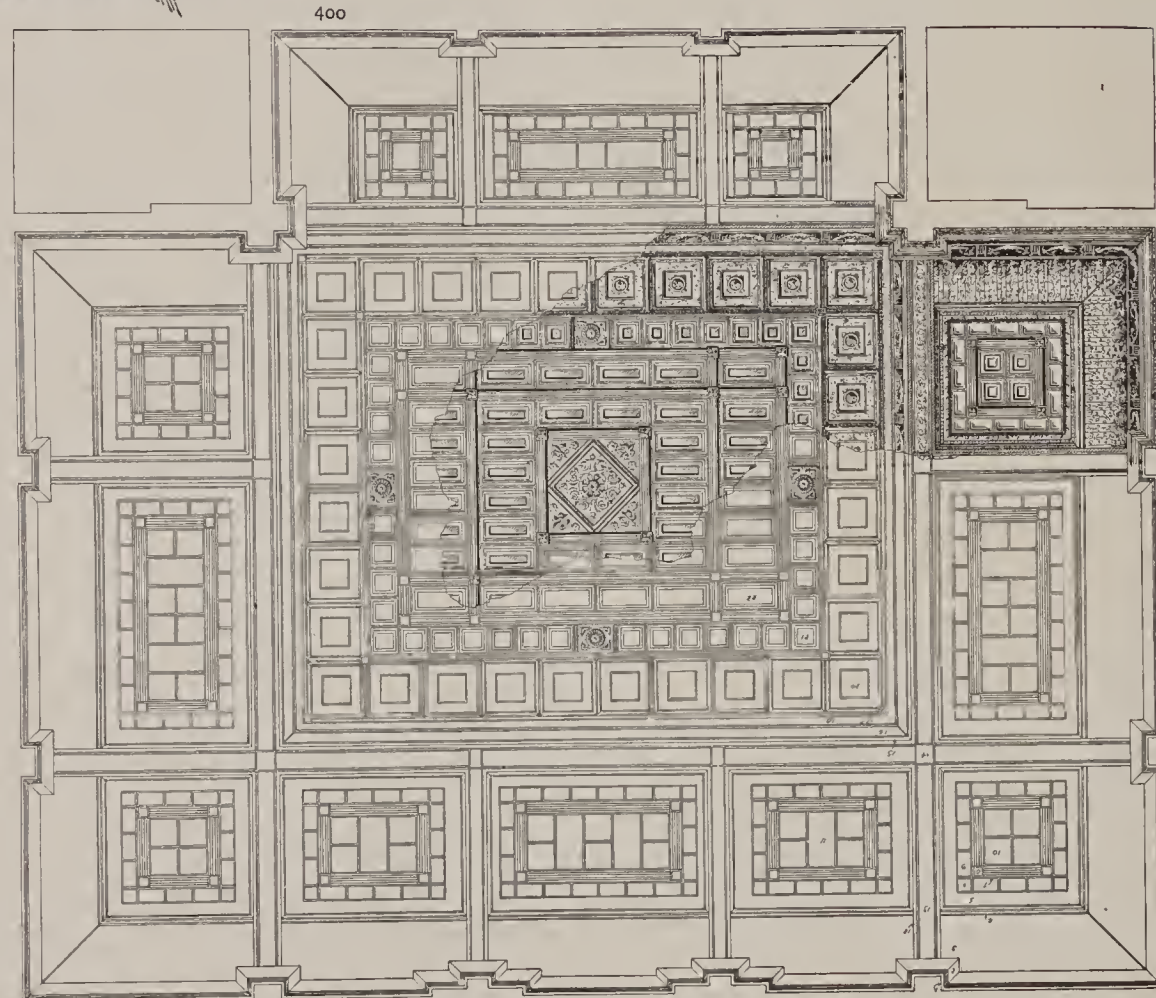


Sagendorph's Patent Sectional Ceilings



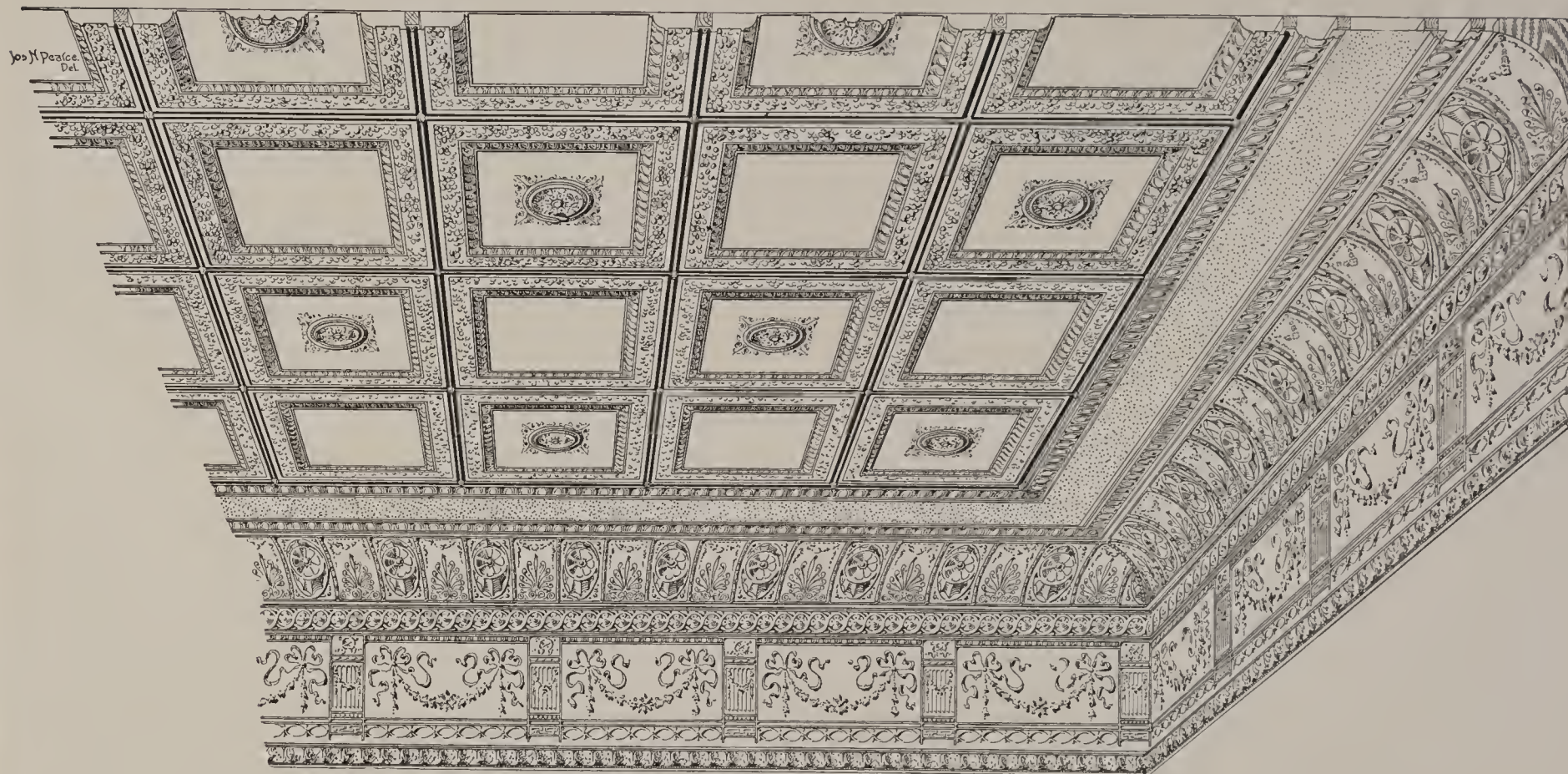
*Plan and sectional perspective of
steel ceiling to be erected in
"COURT HOUSE"*

Showing treatment of ceilings of type
as given in above section.



Suggestion for a Hall, Church, Court Room, etc.

403



Especially adapted to High Ceilings, Churches, Auditoriums, etc.

Elegance

The Superior Merits of Our Patent Sectional Metal Ceilings and Side Wall Plates are

Variety Indefinite

Our Patent Sectional Steel Products excel and exceed all others combined. Ceilings and Side Walls perfection intact.

Dust-Proof Joints

Mouldings varying in depth from 11-16 inch to 2 inches.

Investigation

Should

Precede

Condemnation

Architects

Are never placed in an embarrassing position, or receive rebuke after specifying our goods; they more than please and lend credit to the good judgment and thorough posting of architecture in this line.

We always receive from customers flattering compliments for our designs, workmanship, and general results after applying our Steel Ceilings and Side Wall Products.

A Well Posted Architect Specifies Our Patent Sectional Steel Products

To obtain the square feet of Steel Ceiling necessary to cover any space, add to exact width and length of room drop of Cove or Cornice. Example: Room 20 by 21 feet, with 6 inch drop of Cove all around, would be figured as 21 by 22 feet. This covers the space taken up on side wall and body of ceiling with the Cornice or Cove. Remember this in figuring cost of material needed.



Decorative Art in Steel Sheets

Manufactured from Copper, Brass, Zinc, Galvanized and Aluminium Sheets when specified

Two Points of Demerit are Patent in this Device

(FOLD SLIP JOINT NOT A LOCK JOINT)

FIRST.—If the timbers in the building or furring are not well dried, they will shrink; and if ceiling plates of the slip-joint construction are applied to them, the shrinkage will draw these plates apart, the plates being only slipped together, no fastening in any way used.

SECOND.—By the use of this style of joint, it discards the use of furring strips at the cross section. This weakens the furring or field foundation, which is the main feature of security in the erection of metal ceilings. We admit this style of joint saves the erector both time and the cost of furring, but it is done at the expense of the user, and detrimental to the product.

The Penn Metal Ceiling and Roofing Company, Ltd.

If you wish to obtain the best and most satisfactory results from the use of Steel Ceilings, be sure and specify: All metal ceiling material primed one coat (light color), each side, before shipping.

Comparison of Merits in Our Patent Constructed Ceiling Plates With Others

FIRST.—All our Ceiling Plates are squared on four sides, provided with dust-proof, dove-tailed butt joints (no beaded or lapped edges, or slipped folding joints). Our plates are manufactured in multiple of sizes that allow the designs to be brought out, equalled by no other manufacturer, and in harmony with artistic work. Our variety in designs is large, and each design a separate set of multiples, which enables us to produce a ceiling in one character or art in the design, and we can produce 10,000 designs without a duplicate, confining the work of each ceiling to one order of art—a feature which we are sure will be appreciated by good judges.

With the foregoing, we hope it will merit the attention of the consumers, architects and builders, and a just comparison of merits in Our Patent Sectional Ceiling Plates the same as you make the comparison in prices given by our competitors.



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Ship us today			Tomato			Ship on Wednesday's boat			Thumb			Can ship at once			Tartar		
						Ship on Friday's boat			Tight			Order will be shipped			Tolu		
									Wire how soon you can ship			Torn					
												Tomb					

